DRAFT REMOVAL ACTION REPORT

FOR THE
GULFCO MARINE MAINTENANCE
SUPERFUND SITE
FREEPORT, TEXAS

PREPARED BY:

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LIST OF ACRONYMS

ACM - Asbestos Containing Material

AST - Aboveground Storage Tank

BHHRA - Baseline Human Health Risk Assessment

COD - Certificate of Destruction

EEI - Effective Environmental, Inc.

EPA - United States Environmental Protection Agency

FSP - Field Sampling Plan

GRG - Gulfco Restoration Group

NPL – National Priorities List

OVM - Organic Vapor Meter

PCE - Tetrachlorethene

PBW - Pastor, Behling & Wheeler, LLC

ppmv - parts-per-million by volume

RI/FS - Remedial Investigation/Feasibility Study

SVOC - Semi-Volatile Organic Compound

TCEQ - Texas Commission on Environmental Quality

TCE - Trichloroethene

VOC - Volatile Organic Compound

REMOVAL ACTION CERTIFICATION

Under penalty of law, I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of the report, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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1.0 INTRODUCTION

The United States Environmental Protection Agency (EPA) named the former site of Gulfco Marine Maintenance, Inc. (Gulfco) in Freeport, Brazoria County, Texas (the Site) to the National Priorities List (NPL) in May 2003. On October 26, 2010, the EPA filed and executed an Administrative Settlement Agreement and Order on Consent for Removal Action (Settlement Agreement) (EPA, October, 2010) addressing the former aboveground storage tank farm (AST Tank Farm) located in the southern portion of the Site. The Settlement Agreement required the removal of ASTs that contain hazardous substances from the barge cleaning operations, in accordance with the Removal Action Work Plan included as Appendix D of the Settlement Agreement. Pastor, Behling & Wheeler, LLC (PBW), coordinated the Removal Action of behalf of the Settlement Agreement Respondents LDL Coastal Limited LP (LDL), Chromalloy American Corporation (Chromalloy), and The Dow Chemical Company (Dow), collectively known as the Gulfco Restoration Group (GRG), and Parker Drilling Company, which while not a Respondent to the Settlement Agreement recently reached an agreement to participate with the Respondents in the Removal Action. Figure 1 provides a map of the Site vicinity, while Figure 2 provides a Site map.

1.1 PURPOSE

Pursuant to Paragraph 42 of the Settlement Agreement, this Removal Action Final Report summarizes the actions taken to comply with the Settlement Agreement, in accordance with the Removal Action Work Plan (Appendix D of the Settlement Agreement). Specifically this report documents removal and proper disposal of hazardous liquids and solids contained in the ASTs; removal, demolition and disposal of the tanks in the AST Tank Farm; and decontamination of the AST Tank Farm containment areas.

1.2 SITE BACKGROUND

The Site is located in Freeport, Texas at 906 Marlin Avenue (also referred to as County Road 756) (Figure 1). The Site consists of approximately 40 acres within the 100-year coastal floodplain along the north bank of the Intracoastal Waterway between Oyster Creek approximately one mile to the east and the Texas Highway 332 bridge approximately one mile to the west. Marlin Avenue divides the Site into two primary areas (Figure 2). For the purposes of

descriptions in this report, Marlin Avenue is approximated to run due west to east. The property to the north of Marlin Avenue (the North Area) contains some upland areas created from dredge spoil, but most of this area is considered wetlands. The North Area is not addressed by this report. The 20-acre upland property south of Marlin Avenue (the South Area) was created from dredged material from the Intracoastal Waterway and developed for industrial uses. It contains multiple structures, a dry dock, two barge slips connected to the Intracoastal Waterway, and the AST Tank Farm, which is the subject of this report.

The AST Tank Farm consisted of two adjacent concrete beamed areas, referred to hereafter as the North Containment and the South Containment Areas. Six ASTs were located in the North Containment Area (a seventh tank, Tank No. 100, which was empty, was removed from the Site in September 2008 by Hurricane Ike storm surge), and eight ASTs were located in the South Containment Area. The tank locations and designations are shown on Figure 3, and the tanks and their contents are summarized in Table 1. The tanks were used to store product heels and wash waters associated with barge cleaning operations.

The South Area is zoned as "W-3, Waterfront Heavy" by the City of Freeport. This designation provides for commercial and industrial land use, primarily port, harbor, or marine-related activities. Restrictive covenants prohibiting any land use other than commercial/industrial and prohibiting groundwater use have been filed for all parcels within both the North and South Areas.

Adjacent property to the north, west and east of the North Area is unused and undeveloped. Adjacent property to the east of the South Area is currently used for industrial purposes while the property directly to the west of the Site is currently vacant and previously served as a commercial marina. The Intracoastal Waterway bounds the Site to the south. Residential areas are located south of Marlin Avenue, approximately 300 feet west of the Site, and 1,000 feet east of the Site.

1.3 REPORT ORGANIZATION

The Removal Action Final Report has been organized to include information specified by the Settlement Agreement. A summary of the Removal Action is provided below in Section 2. Sampling and analysis activities performed during the Removal Action are discussed in Section 3. Removal Action conclusions are provided in Section 4. References are listed in Section 5.

Supporting documentation for the Removal Action, including photographs, waste disposal manifests, tank Certificates of Destruction (COD), laboratory analytical reports and other related reports/information, is provided in the report appendices.

Pursuant to Settlement Agreement requirements, this Draft Removal Action Report is being submitted within 120 days of the Settlement Agreement Effective Date of October 29, 2010. All tank content removal, tank decontamination, tank demolition and containment area decontamination field activities were completed within the 90 days of the Effective Date as also specified in the Settlement Agreement. However, due to a temporary suspension in operations at the incinerator used for disposal of hazardous solids generated during the Removal Action, nine roll-off boxes of hazardous solids could not be shipped from the Site to the disposal facility until after the 90-day deadline (January 27, 2011). A 30-day extension to this deadline was requested on January 26, 2011 and was granted by EPA on January 31, 2011. Additional delays in obtaining disposal "slots" at the incinerator required a second extension request to March 25, 2011, which was granted by EPA on February 23, 2011. Due to these delayed waste shipment dates, not all of the Removal Action supporting documentation described above has yet been received from the Removal Action contractor [Effective Environmental, Inc. (EEI)]. All such documentation that is not available for inclusion in this draft report, will either be provided in the Final Removal Action Report, or submitted as addendum to the final report depending on when the documentation is received.

2.0 REMOVAL ACTION SUMMARY

The Settlement Agreement provided for completion of all field activities within 90 days from the effective date of October 29, 2010. EEI mobilized equipment and materials to the Site and began field activities on November 15, 2010.

The Removal Action included characterization and management of water accumulated in the AST Tank Farm containment areas; removal and disposal of liquid wastes from the tanks; and solidification, removal and disposal of non-liquid (solids and sludge) wastes from the tanks. Following wastes removal and tank decontamination, the tanks were demolished. The North and South Containment Areas were decontaminated and the concrete containment beams were breached so that rainfall will freely drain from the structures. Piping, metal "cat-walks", and a steel hopper-like structure located within the North Containment Area were demolished and removed. A metal walled structure located immediately to east of the North Containment Area was also demolished and removed. The Removal Action also included an asbestos survey, and the removal and disposal of debris located inside and east of the containment areas. The Removal Action is discussed below; photographs documenting the Removal Action are included in Appendix A.

2.1 MANAGEMENT OF ACCUMULATED WATER

In April 2010, PBW collected samples of accumulated water from the North and South Containment areas. Based on analytical results from these samples, PBW on behalf of the GRG, submitted an Industrial Wastewater Permit Application Abbreviated Technical Report to the Texas Commission of Environmental Quality (TCEQ) requesting discharge of accumulated water from the containment areas. On July 27, 2010, the TCEQ issued a letter to Gary Miller of EPA establishing criteria and authorizing discharge of accumulated water from the containment areas into the Intracoastal Waterway (Appendix B). Following confirmation that the pH of water in the containment areas met the discharge criteria and prior to commencing other Removal Action activities, approximately 15,000 gallons of water from the North Containment Area and approximately 13,500 gallons of water from the South Containment Area were discharged to the Intracoastal Waterway on November 15 and 16, 2010.

Following a rain event at the Site in late December 2010 during performance of the Removal Action, accumulated water from both the North and South Containment Areas was sampled a second time on December 30, 2010. The analytical results from the sample collected from the South Containment Area met discharge criteria (Table 2); and a total of approximately 17,000 gallons of accumulated water were discharged from the South Containment Area to the Intracoastal Waterway on January 5, 6, and 10, 2010. The analytical results for the North Containment Area water sample did not meet discharge criteria (Table 2); and a total of approximately 6,800 gallons of impacted water were pumped from the North Containment Area into tanker trailers and transferred off-site for disposal. One tanker containing approximately 1,800 gallons of this impacted water was transported from the Site to the Clean Harbors, Deer Park facility on January 6, 2011 (included with other Site aqueous wastes). A second tanker containing approximately 5,000 gallons of impacted water from the North Containment Area was transported to Clean Harbors on January 27, 2011. A summary of liquid wastes shipments from the Site during the Removal Action is provided in Table 3, and available waste manifests documenting the transport of the aqueous wastes from the Site are provided in Appendix C.

A third water sample was collected from the North Containment Area on January 18, 2011, after excavation of impacted soils, removal of potentially impacted base material (caliche) from the floor of the containment area, backfilling of the excavated area, and Site restoration was completed (detailed below under Containment Area Decontamination). Analytical results from that water sample indicated that accumulated water in the North Containment Area after completion of the Removal Action, met discharge criteria (Table 2). Following receipt and evaluation of those analytical results accumulated water in the North Containment Area was released by breaching the containment area wall on January 27, 2011. The South Containment Area wall was breached on January 18, 2011 following decontamination and backfilling of the trenches with imported sandy clay soil as detailed in Section 2.6. Sampling locations and analytical results for the accumulated water samples are discussed in Section 3.0.

2.2 ASBESTOS INSPECTION

On November 16, 2010 Phase Engineering, Inc. performed an inspection for potential asbestos containing materials (ACM) within the former AST Tank Farm. Mr. Neal Barnes performed the inspection and collected samples of potential ACM at seven different locations. These samples included debris, gaskets and insulation material. A letter report summarizing the findings of the

asbestos inspection is provided in Appendix D. One of the samples collected by Mr. Barnes was found to contain friable asbestos. The asbestos was in a flange gasket located on the east end of Tank No. 10. In order to avoid disturbing this material during tank demolition, EEI used a cutting torch to cut the entire flange containing the gasket out of the end of Tank No.10 and placed the flange in a metal over-pack drum on December 9, 2010. The over-pack was transported to the EEI yard for temporary storage on January 27, 2011 and is scheduled for disposal at the Waste Management Coastal Plains Landfill by February 25, 2011. Copies of EEI's demolition permit with the City of Freeport, the Texas Department of State Health Services Asbestos/Demolition Notification Form completed by EEI for this work, and related correspondence are included in Appendix D.

2.3 LIQUID WASTES HANDLING AND DISPOSAL

Removal of liquids from the ASTs was started on November 17, 2010 and completed on December 7, 2010. A tanker load of water transported to Clean Harbors on January 6, 2011 contained a mixture of water accumulated during tank decontamination; water recovered from tanks during sludge solidification and mixing; and impacted water from the North Containment area.

Liquids were removed from the ASTs using a pneumatic diaphragm pump, by inserting a suction hose directly in the tank to be drained and pumping into a tanker trailer. To the extent practical, aqueous liquids were separated from non-aqueous liquids (hydrocarbons), in order that hydrocarbons could be used for fuel blending at the disposal facility.

Removal of liquid wastes from the ASTs was performed using a closed discharge system, with the tanker air vent connected to a carbon canister. The "closed" pumping system, along with the carbon canister, was designed to control the release of fugitive emissions during pumping. Air monitoring was conducted using organic vapor monitors (OVM) during pumping activities to ensure criteria established in the Work Plan were not exceeded [sustained (more than 60 seconds) organic vapor measurements were to remain less than 10 part-per-million by volume (ppmv) in the work zone]. In order to minimize the potential for a release of hazardous liquids outside the containment areas, pumps and hoses were kept inside the concrete containment beams as much as possible and plastic liner was placed beneath hoses outside the containment beams. Tanker

trailers were staged inside portable containment to mitigate the potential for a release at hose connections and valves on the tanker.

Approximately 2,300 gallons (21,760 pounds) of non-hazardous aqueous liquids were transported to the Waste Management Coastal Plains facility in Alvin, Texas for disposal. All hazardous liquids, both aqueous and non-aqueous, were transported to the Clean Harbors facility in Deer Park, Texas and disposed of by incineration. Three tanker loads of aqueous liquids were rejected by Clean Harbors due to the presence of viscous hydrocarbons in the load. In each case, these rejected loads were returned to the Site where aqueous liquids were pumped into one of the onsite ASTs for temporary storage, and the viscous hydrocarbons were removed from the tanker and added to sludge in one of the on-site ASTs and solidified.

During the Removal Action approximately 74,500 galloons (634,560 pounds) of aqueous liquids and approximately 14,150 gallons (117,820 pounds) of non-aqueous liquids (hydrocarbons) were transported to Clean Harbors for incineration. All waste liquids were transported from the Site by a licensed waste transporter. Table 3 provides a summary of the quantities and disposition of all liquid wastes removed from the ASTs. Available wastes manifests for liquid wastes transported from the Site are provided in Appendix C.

2.4 SOLID WASTES HANDLING AND DISPOSAL

Following the removal of liquids from all of the ASTs, a combination of cutting torches and hydraulic shears were used to open the tanks to allow for solidification of the remaining sludge (and solids). Solidification to the point that there were no free liquids in the wastes was required by the disposal facility, and was accomplished by adding and mixing fly ash to tank contents after liquids were removed. A total of approximately 210,000 pounds (105 tons) of fly ash was required to facilitate solidification. Once sufficiently solidified, sludge was transferred to water-tight hazardous waste containers (roll-off boxes) lined with sealable water-tight liners, using the track hoe bucket, and by hand shoveling the last of the sludge from most of the tanks. Air monitoring was conducted using an OVM during solidification and sludge removal to monitor organic vapor concentrations in order to stay within Work Plan criteria.

Wastes solids were removed from the ASTs, loaded into roll-off boxes and transported off-site for disposal during the period from December 13, 2010 through January 6, 2011. One additional

roll-off box containing a small amount of sludge from the final clean out of Tank No. 6 along with contaminated debris from the demolition of Tank No. 2, was removed from the Site on February 8, 2011. Roll-off boxes loaded with sludge were transported to the Clean Harbors facility in Deer Park, Texas where the sludge (hazardous solids) was incinerated. During the course of the Removal Action, five roll-off boxes of sludge were rejected by Clean Harbors due to the presence of free liquids, and returned to the Site for additional solidification. In each case sorbent material was added to the sludge in the roll-off box and the box was transported back to Clean Harbors. A total of 829,420 pounds of hazardous solids were disposed of by incineration at the Clean Harbors facility. A summary of all solid wastes transported from the Site during the Removal Action is provided in Table 4 and copies of available wastes manifests are provided in Appendix C.

2.5 AST DECONTAMINATION, DEMOLITION AND DISPOSAL

After all sludge was removed, the tanks were cleaned by scraping, brushing, steam-cleaning, and when necessary spraying and brushing with surfactants to remove any remaining oily residue. Tanks were then cut using, a cutting torch or hydraulic shears, and crushed with the track hoe. All tanks were demolished on-site, except Tank No. 14, which was a thick walled tank (greater than 1-inch thick steel). Tank No. 14 had holes cut to render it unusable and was transported offsite in two pieces. All scrap metal from the Removal Action including tanks and tank pieces were transported to Proler Recycling in Houston, Texas and added to their steel recycling. Copies of available bills of lading and CODs for ASTs are provided in Appendix E.

2.6 CONTAINMENT AREA DECONTAMINATION

2.6.1 South Containment Area

Following the removal of all tanks from the South Containment Area, and in accordance with the Removal Action Work Plan (Appendix D of the Settlement Agreement), the containment area was cleaned and decontaminated on January 12 and 13, 2011. All debris was removed, sediment on the concrete floor was scraped and removed and the concrete walls and floor of the containment area were pressure washed with a steam cleaner. The removed sediment was sampled and classified as non-hazardous by EEI.

Portions of the north end of the South Containment Area floor contain small trenches (approximately eight inches deep by four to eight inches in width). It appears that the trenches may have originally been present throughout the South Containment Area, but were historically filled with concrete over the middle and south portions of the South Containment Area. The trenches in the north end of the containment area, which were thought to have concrete floors, were filled with sediment and black mud, interpreted as being predominantly derived from the decay of algae and other organic matter. Prior to beginning the decontamination operations, it was determined that the trenches did not have concrete floors, but instead all of the trenches that had not been filled with concrete had clay bottoms.

An air-mover and vacuum box were used to "vacuum" mud and sediment from the trenches to the depths at which clay was encountered, usually around the same level or slightly below the level of the base of the adjacent concrete. The concrete walls of the trenches were then pressure washed. After decontamination of the South Containment Area was complete two verification samples were collected from the clay floor of the trenches as discussed in Section 3.2. Based on a request by EPA, the trenches were subsequently backfilled with sandy clay soil imported from an off-site quarry.

Mud, sediment and water collected in the vacuum box used during decontamination of the South Containment Area were included under the aforementioned non-hazardous characterization for sediment from the floor of the containment area. The vacuum box, including collected mud, sediment and water, was removed from the Site on January 27, 2011 and temporarily stored at an EEI subcontractor's equipment yard in Clute, Texas. It is scheduled for transport to the Waste Management Coastal Plains Landfill for solidification and disposal as non-hazardous waste on February 24, 2011. Three additional roll-off boxes of non-hazardous debris and sediment scrapings from the South Containment Area, as well as other miscellaneous debris from the Site, were also transported to the Coastal Plains Landfill for disposal as non-hazardous wastes on January 27, 2011. Available manifests for non-hazardous wastes transportation and disposal are provided in Appendix C.

Pursuant to the Removal Action Work Plan provisions, the South Containment Area berm was breached to preclude future water accumulation. The berm was breached at the two lowest points of the containment area, the northwest corner and the northeast corner, on January 18, 2011 following the completion of all decontamination activities.

2.6.2 North Containment Area

During the Removal Action it was discovered that the North Containment Area did not have a concrete floor as originally thought. The floor of the North Containment Area was instead constructed of 4 to 8-inches of caliche-like base material, underlain by clay. The base material in the floor of the containment area was visibly stained with hydrocarbons beneath four of the tanks. Surficial staining was present beneath the two large ASTs (Tanks Nos. 15 and 21). More extensive staining was evident beneath Tank No. 6, which, when removed, was found to have several holes in its base. Staining was also observed below the footprint of Tank No. 2, located adjacent to Tank No. 6; however, the staining is believed to be associated with releases from Tank No. 6.

As a measure to ensure future water accumulated in the North Containment Area would not become impacted by residual contaminants on the caliche floor of the containment area, the North Containment Area floor surface was scraped using a small front-end loader on January 7 and January 14, 2011. The removed surface material scrapings were stockpiled and later loaded into two roll-off boxes, sampled and characterized for disposal (soil scrapings were loaded and sampled on January 14, 2011). Based on the characterization sample results, the North Containment Area floor scrapings were classified as hazardous. The two roll-boxes containing these hazardous soils are currently staged at the Site and are scheduled for shipment to the disposal facility during the week of March 14, 2011.

Based on the visible staining observed in localized areas of the North Containment Area floor, particularly below the Tank No. 6 footprint, a plan for excavation of visibly impacted soils below the former locations of Tank Nos. 2, 6, 15, and 21 was developed. On January 7, 2011 Eric Pastor of PBW sent an email to Gary Miller of EPA, outlining the proposed approach to address these areas. The planned approach was to excavate visibly impacted soils, sample and characterize excavated soils, and collect confirmation samples from the excavated areas. The approach included a contingency, that in the event that some areas could not be practically excavated to the point that visible staining was removed, or the extent of impacted soil was anticipated to preclude effective remediation by excavation, EPA would be contacted to discuss potential in-place management options. Pending EPA's concurrence, the approach would then be to excavate as much material as appropriate, and collect verification samples to document volatile organic compound (VOC) and semi-volatile organic compound (SVOC) concentrations in the

residual (i.e., post-excavation) soil. The e-mail outlining the approach, supporting documentation, and the EPA's email approving the approach are provided in Appendix F.

Excavation of the visibly impacted soils in the North Containment Area was performed on January 11, 12, and 13, 2011. Observations made during excavation of the Tank No. 6 area on January 11 and 12, confirmed that the contingency described above would need to be implemented. Visibly impacted soil in this area extended from the surface to approximately 5.5 feet below ground surface at specific locations beneath the former location (footprint) of Tank No. 6. Near the south end of the Tank No. 6 footprint, the impacted soil extended to the west beneath the south end of the former location of Tank No. 2 (approximately south one-forth of Tank No. 2 footprint), where soil was excavated to approximately 2.5 feet bgs. Beneath the remainder of the Tank No. 2 footprint (north three-fourths of Tank No. 2 footprint) there were no visible impacts at a depth of approximately one foot bgs, and the excavation was terminated at that depth in that area.

During the excavation of the area beneath Tank Nos. 2 and 6, the subsurface material present from the ground surface to approximately 2 to 2.5 feet bgs was observed to consist of fill material (including caliche base material and clay as described above). Outside of the Tank Nos. 2 and 6 footprints, this fill material was not visibly impacted. Except for a thin (approximately 0.2 feet thick) zone of black staining along the contact between the base of the fill and original ground surface (approximately 2 feet bgs), there was no visible staining below 2.5 feet bgs south and west of Tank No. 2.

Approximately the southern two-thirds of the area beneath the Tank No. 6 footprint were excavated to a depth of approximately 5.5 to 6 feet bgs. In the south and east walls of the excavation visibly impacted soils were present from approximately 2.5 feet bgs to approximately 5.5 feet bgs. In this deepest portion of the excavation, a clay soil with no visible impacts was present from approximately 5.5 feet to 6 feet bgs. Beneath the northern end (approximately northern one-third) of the Tank No. 6 footprint, visibly impacted soil was excavated to approximately 2 feet bgs. At that depth visible impacts were limited to localized areas. The extent of the excavation below Tank Nos. 2 and 6 is shown on Figure 4. Verification sampling performed in this area is discussed in Section 3.0, below.

Very well compacted and hard caliche was encountered Beneath the Tank Nos. 15 and 21 footprints. These areas were scraped using a trackhoe to remove surficial staining.

Approximately 3 to 4-inches of caliche were scraped from the footprint of both former tanks.

Below both the Tank Nos. 15 and 21 footprints, the staining was observed to extend through the caliche base (6 to 8-inches) in localized areas, but did not appear to have visibly impacted the underlying clay. Visibly impacted caliche was removed to the extent practical. Verification sampling was performed beneath both Tanks Nos. 15 and 21 as discussed in Section 3.0.

All excavated soils from the Tank Nos. 2/6 excavation, and the scraped caliche/soil from the Tank Nos. 15 and 21 footprints were placed directly into six water-tight roll-off boxes and sampled for characterization on January 14, 2011. Based on the results of the characterization sampling, this excavated soil was classified as hazardous. Two of the roll-boxes containing excavated soil were removed from the Site for delivery to Clean Harbors for incineration on February 8, 2011. The remaining 4 roll-off boxes of hazardous soils, along with the two roll-offs containing the surface scrapings from the North Containment Area described above, are currently staged at the Site and are scheduled for shipment to the disposal facility during the week of March 14, 2011. A summary of hazardous soil from the North Containment Area transported from the Site during the Removal Action is provided in Table 5, and copies of available wastes manifests for this material are provided in Appendix C.

After verification samples were collected from the excavated area, the excavation was backfilled with sandy clay soil imported from an off-site quarry and the entire North Containment Area was graded so that accumulated water would drain to the low side (east side of containment area).

Pursuant to the Removal Action Work Plan provisions, and following receipt and evaluation of analytical results from the accumulated water sample collected after completion of the Removal Action and Site restoration in the North Containment Area (sample collected on January 18, 2011), the North Containment Area berm was breached. The berm was breached at the lowest point of the containment area along the east side on January 27, 2011.

3.0 SAMPLING AND ANALYSIS

The following sections describe sampling and analysis performed during the Removal Action.

3.1 ACCUMULATED WATER IN CONTAINMENT AREAS

As summarized in Section 2.1 samples of accumulated water were collected from the North and South Containment Areas during the Removal Action on December 30, 2011, and from the North Containment Area only, on January 18, 2011. These water samples were all analyzed for selected VOCs and the results compared to discharge criteria as identified in the TCEQ Surface Discharge Letter (Appendix B) and listed in Table 2. Field pH measurements collected at the time of sample collection are also included in Table 2.

All accumulated water samples were collected and handled in accordance with the procedures described in the Remedial Investigation/Feasibility Study (RI/FS) Field Sampling Plan (FSP) (PBW, 2006). The samples obtained on December 30, 2010, were collected from the North and South Containment Areas in locations where accumulated water was most likely to be impacted by Site activities performed prior to that date. The South Containment Area water sample was collected near the northwest corner of the containment area where pumps had been staged and pumping activities performed. The North Containment Area was sampled in two locations. Sample "N. Containment (NW)" was collected from water that had accumulated in the footprint of Tank No. 6, and sample "N. Containment (NE)" was collected from water that had accumulated in the footprint of Tank No. 21, both areas where the floor of the containment was observed to be visibly impacted when the tanks were moved. As discussed in Section 2.1 and shown on Table 2, the accumulated water in the South Containment Area met discharge criteria and was discharged to the Intracoastal Waterway. Neither of the two water samples collected from the North Containment Area met discharge criteria. Accumulated water from the North Containment Area was pumped into tanker trailers and transported to the Clean Harbors facility for disposal.

As mentioned above and discussed in Section 2.1, a subsequent accumulated water sample was collected from the North Containment Area on January 18, 2011. This sample was collected following a rainfall event that occurred after the excavated areas in the North Containment Area had been backfilled, and the entire containment area had been scraped and graded. The sample

was collected from water accumulated near the center of the North Containment Area. As previously stated in Section 2.1 analytical results for this sample met discharge criteria, and the accumulated water was released when the containment berm was breached on January 27, 2011.

Table 2 presents a comparison of accumulated water analytical results for both sampling events to discharge criteria. Field pH measurements collected at the time of sample collection or prior to surface water discharge are also provided on Table 2. Laboratory analytical reports and sample validation reports are included in Appendix G.

3.2 SOIL VERIFICATION SAMPLES

In order to document soil conditions at the North Containment Area following completion of excavation activities, eight verification soil samples were collected from this area. These samples were collected after it was determined that impacted soil encountered at depths ranging from approximately 2.5 feet bgs to approximately 5.5 feet bgs could not be practically excavated such that visible staining was removed. The verification samples were intended to characterize VOC and SVOC concentrations in the residual (i.e., post-excavation) soil.

After excavation was terminated in the area beneath Tank Nos. 2 and 6 and the containment area base material floor had been scraped in the Tank Nos. 15 and 21 areas, soil samples were collected from these areas. These samples, which were collected and handled in accordance with FSP procedures, were collected on January 13, 2011. Sample locations, as shown on Figure 4, included:

- one sample from below the Tank No. 15 footprint at a depth of 0.8 feet bgs (T-15-F);
- one sample from below the Tank No. 21 footprint at a depth of 0.5 feet bgs (T-21-F);
- one sample of surface soil near the center of the North Containment Area at a depth of 0 to 0.3 feet bgs (NC-0-0.3);
- one sample from the west wall of the excavation beneath Tank Nos. 2 and 6, west of the former location of Tank No. 2 and near the southwest corner of the overall excavation at a depth of 2.5 feet bgs (T-2-West);

- one sample from the floor of the excavation beneath the footprint of Tank No. 6 approximately 10 feet north of the south end of the former tank location at a depth of 5.8 feet bgs (T-6-Floor);
- one sample from the east wall of the Tank No. 6 excavation approximately 11 feet north of the south end of excavation this sample was collected in visibly impacted soil at a depth of 4 feet bgs, which is approximately 1.5 feet below the upper limit of visibly impacted soil (T-6-East);
- one sample from the south end of the Tank No. 6 excavation beneath the south end of the
 former Tank No. 6 footprint this sample was collected in visibly impacted soil at a
 depth of 4.5 feet bgs, which is approximately 2 feet below the upper limit of visibly
 impacted soil (T-6-South); and
- one sample from the north wall of the Tank No. 6 excavation beneath the north end of the former Tank No. 6 footprint at a depth of approximately 2 feet bgs no visible impacts were observed at this sample location (T-6-North).

Analytical results for the Site's chemicals of interest from the verification samples were evaluated relative to comparison values, which were established by using the lower of the EPA Region 6 Soil Screening Criteria value and the TCEQ Tot Soil Comb value. The analytical results from the soil verification samples relative to comparison values are summarized in Table 6. Laboratory analytical reports and data validation reports are provided in Appendix G.

Analytical results for SVOCs did not exceed comparison criteria for any chemicals of interest, at any of the verification sample locations. However, VOC comparison criteria were exceeded at verification sample locations T-15-F (benzene, chloroform and trichloroethene (TCE)); T-21-F (tetrachloroethene (PCE) and TCE); NC-0-0.3 (TCE); T-6-East (benzene, ethylbenzene and isopropylbenzene); T-6-South (benzene, chloroform, and ethylbenzene); and T-6-North (benzene and TCE).

Verification samples were also collected from the clay floor of the trenches in the South Containment Area at two locations. The verification sample locations are show on Figure 4 and described below:

- one sample of the clay from the floor of the trench near the northwest corner of the containment area - collected approximately 15 feet south of the north berm and 15 feet east of the west berm (SC-W); and
- one sample of the clay from the floor of the trench near the northeast corner of the containment area collected approximately 15 feet south of the north berm and 19 feet west of the east berm (SC-E).

Analytical results from samples collected in the South Containment trenches (summarized in Table 6) did not exceed comparison criteria for VOCs or SVOCs for any chemicals of interest.

Several exceedences of the comparison criteria listed in Table 6 were noted on an individual sample basis for some of the North Containment Area soil samples. These concentrations resulted in predicted risks that were within EPA's acceptable or target risk range for carcinogens (10⁻⁴ to 10⁻⁶ risk) and below a target hazard quotient of one for non-carcinogens. Consistent with discussions with EPA, the analytical results from all of the verification samples collected in the North and South Containment Areas will be used to prepare an addendum to the previously approved Final Baseline Human Health Risk Assessment (BHHRA) for the Site (PBW, 2010) documenting that conclusion.

4.0 CONCLUSIONS

The purpose of the Removal Action at the Gulfco AST Tank farm was to remove and properly dispose of contents of the ASTs; remove, demolish and dispose of the tanks in the AST Tank Farm; and decontaminate the AST Tank Farm containment areas. All Removal Action objectives as set forth in the Settlement Agreement have been met.

5.0 REFERENCES

Pastor, Behling & Wheeler, LLC (PBW), 2006. Sampling and Analysis Plan – Volume I, Field Sampling Plan, Gulfco Marine Maintenance Site, Freeport, Texas. May 16.

Pastor, Behling & Wheeler, LLC (PBW), 2010. Final Baseline Human Health Risk Assessment, Gulfco Marine Maintenance Site, Freeport, Texas. March 31.

United States Environment Protection Agency (EPA), Region 6, 2010. Administrative Settlement Agreement and Order on Consent for Removal Action (Settlement Agreement). October.

TABLES

TABLE 1 - TANK CONTENT SUMMARY

Tank No.	Content Description
Tank No. 2	Organic/Aqueous Mixture Solids - sand, debris
Tank No. 4	Oily Water
Tank No. 6	Rust Solids and Organic Liquds
Tank No. 10	Empty
Tank No. 13	Oily Sludge
Tank No. 14	Small Amount of Oil Solids
Tank No. 15	Oily Sludge and Water
Tank No. 16	Oily Sludge
Tank No. 17	Empty
Tank No. 18	Light Organic Phase
Tank No. 19	Oily Sludge
Tank No. 21	Oily Water and Oily Sludge
Tank No. 22	Oily sludge
Tank No. 23	Weathered Diesel

TABLE 2 - CONTAINMENT AREA ACCUMULATED WATER ANALYTICAL DATA RELATIVE TO DISCHARGE CRITERIA

<u>Parameter</u>	<u>December 30, 2010 Accumulated</u> <u>Water Sample</u>			January 18, 2011 Accumulated Water Sample	Water-Quality I Limitations ¹	Based Effluent	Technology-Based Effluent Limitations ²		
	North Contain- ment (NE)	North Contain- ment (NW)	South Contain- ment	North Containment	Daily Average	<u>Daily</u> <u>Maximum</u>	Daily Average	Daily Maximum	
Benzene	0.137J mg/L	2.0 mg/L	0.00566 mg/L	<0.000054 mg/L	2.4 mg/L	5.1 mg/L	0.057 mg/L	0.134 mg/L	
Chloroform	8.66 mg/L	5.29 mg/L	0.005J mg/L	<0.000057 mg/L	29.4 mg/L	62.2 mg/L	0.111 mg/L	0.325 mg/L	
1,2-dichloroethane	0.580 mg/L	7.29 mg/L	<0.000086 mg/L	<0.000086 mg/L	1.6 mg/L	3.5 mg/L	0.18 mg/L	0.574 mg/L	
Trichloroethylene	<0.00618 mg/L	1.93 mg/L	0.0111 mg/L	<0.000062 mg/L	13.9 mg/L	29.5 mg/L	0.026 mg/L	0.069 mg/L	
Tetrachloroethylene	0.225J mg/L	0.252 mg/L	0.0107 mg/L	<0.000121 mg/L	7.3 mg/L	15.5 mg/L	0.052 mg/L	0.164 mg/L	
Vinyl Chloride	<0.0093 mg/L	<0.00465 mg/L	<0.000093 mg/L	<0.000093 mg/L	9.5 mg/L	20.0 mg/L	0.097 mg/L	0.172 mg/L	
pH (Standard Units)	6.28	6.13	6.2	6.44	(Minimum 6.0)	(Maximum 9.0)	(Minimum 6.0)	(Maximum 9.0)	

Notes:

¹From Attachment 1 of June 22, 2010 TCEQ Memorandum. ²From Attachment 2 of June 22, 2010 TCEQ Memorandum. ³ Data Qualifier: J = Estimated concentration.

TABLE 3 - LIQUID WASTES DISPOSAL SUMMARY

					1	
Shipment	Waste			Estimated		
Date	Description	Tanker No.	Manifest No.	Gallons	Weight (lbs)	Waste Disposition ⁽¹⁾
Aqueous - Ha	zardous Liquids					
11/17/10	Aqueous-Haz	T-346	000115092	4,900	41,600	Clean Harbors
11/18/10	Aqueous-Haz	T-332	000115093	4,800	40,260	Clean Harbors
11/18/10	Aqueous-Haz	T-514	000115094	5,000	39,860	Clean Harbors
11/19/10	Aqueous-Haz	T-351	000115095	5,000	43,440	Clean Harbors
11/19/10	Aqueous-Haz	T-332	000115097	5,000	41,800	Clean Harbors
11/22/10	Aqueous-Haz	T-346	000115098	5,000	44,940	Clean Harbors
11/23/10	Aqueous-Haz	T-321	000115100	5,000	42,880	Clean Harbors
11/23/10	Aqueous-Haz	T-687	000115099	5,000	43,440	Clean Harbors
11/30/10	Load Rejected	T-687	rejected ⁽²⁾	•		Clean Harbors
12/1/10	Aqueous-Haz	T-321	000115079	5,000	44,460	Clean Harbors
12/1/10	Aqueous-Haz	T-351	000115101	5,000	42,360	Clean Harbors
12/2/10	Aqueous-Haz	T-332	000115103	5,000	41,660	Clean Harbors
12/2/10	Load Rejected	T-514	rejected			Clean Harbors
12/3/10	Load Rejected	T-687	rejected	l e		Clean Harbors
12/7/10	Aqueous-Haz	T-514	000115084	5,100	43,800	Clean Harbors
12/15/10	Aqueous-Haz	T-687	000115087	4,500	39,400	Clean Harbors
1/6/11	Aqueous-Haz	T-687	001370022	5,100	29,846	Clean Harbors
1/27/11	Aqueous-Haz(3)	T-687	000107697	5,100	32,286	Clean Harbors
Subtotal Aque	eous-Haz			74,500	612,032	
Aqueous Non-	-Hazardous Liquid	s		·	:	
11/17/10	Aqueous Non-Haz	T-514	WMI733174	2,300	21,760	Waste Management
Subtotal Aque	eous-Non-Haz			2,300	21,760	
Organics for	Fuel Blending					
	Fuel Blending	T-332	000115083	4,000	31,160	Clean Harbors
11/29/10	Fuel Blending	T-514	000115076	5,000	44,280	Clean Harbors
	Fuel Blending	T-346	000115077	5,150	42,380	Clean Harbors
Subtotal Non-	Aqueous (Fuel Ble	nding)		14,150	117,820	
					•	
Total Liquids				90,950	751,612	

Notes

- (1) Clean Harbors Deer Park, Texas for Incineration; Waste Management Coastal Plain Landfill Alvin, Texas
- (2) rejected Load was rejected by Clean Harbors due to viscosity and returned to the Site for liquid/solids separation.
- (3) Tanker T-687 load shipped on 1/27/11 contained accumulated water from North Containment Area

TABLE 4 - SOLID WASTES DISPOSAL SUMMARY

Shipment Date	Waste Description	Tanker/Box No.	Manifest No.	Weight (lbs)	Waste Disposition ⁽¹⁾
12/14/2010	Haz-Solids	2237	000115120	40,470	Clean Harbors
12/14/2010	Haz-Solids	N23486	000115119	32,010	Clean Harbors
12/15/2010	Haz-Solids	RBR250515	000115066	26,070	Clean Harbors
12/15/2010	Haz-Solids	RBR250445	000115067	25,150	Clean Harbors
12/16/2010	Haz-Solids	RB26606	000115068	34,350	Clean Harbors
12/16/2010	Haz-Solids	N16822	000115069	21,490	Clean Harbors
12/17/2010	Haz-Solids	N26538	000115070	33,230	Clean Harbors
12/17/2010	Haz-Solids	N48861	000115071	30,930	Clean Harbors
12/17/2010	Haz-Solids	N41024	000115075	32,290	Clean Harbors
12/17/2010	Haz-Solids	2536RB	000115085	24,350	Clean Harbors
12/20/2010	Haz-Solids	RB26712	000107504	28,670	Clean Harbors
12/20/2010	Haz-Solids	RB2609	000107505	22,750	Clean Harbors
12/21/2010	Haz-Solids	N35202	000107506	28,050	Clean Harbors
12/21/2010	Haz-Solids	N48754	000107512	20,390	Clean Harbors
12/22/2010	Haz-Solids	N12736	rejected ⁽²⁾		Clean Harbors
12/22/2010	Haz-Solids	N44607	000107507	33,670	Clean Harbors
12/27/2010	Haz-Solids	RBR250185	000107508	20,650	Clean Harbors
12/27/2010	Haz-Solids	N23486	000107509	31,290	Clean Harbors
12/28/2010	Haz-Solids	RB26833	rejected		Clean Harbors
12/28/2010	Haz-Solids	N16822	rejected		Clean Harbors
12/29/2010	Haz-Solids	N12736	rejected	2	Clean Harbors
12/29/2010	Haz-Solids	48861	000107564	32,010	Clean Harbors
12/29/2010	Haz-Solids	RB2609	rejected	% (;	Clean Harbors
12/30/2010	Haz-Solids	N48754	000107569	33,610	Clean Harbors
12/30/2010	Haz-Solids	2237	000107566	31,330	Clean Harbors
1/3/2011	Haz-Solids	RBR250445	000107568	33,890	Clean Harbors
1/4/2011	Haz-Solids	N16822	000107567	29,550	Clean Harbors
1/4/2011	Haz-Solids	RB26833	000107652	28,770	Clean Harbors
1/5/2011	Haz-Solids	RB2609	000107563	34,430	Clean Harbors
1/5/2011	Haz-Solids	N12736	000107656	38,530	Clean Harbors
1/6/2011	Haz-Solids	RB26606	000107654	41,490	Clean Harbors
2/8/2011	Haz-Solids	N35202	Pending ⁽³⁾	40,000	Clean Harbors
Haz-Solids Subt	otal			829,420	
1/07/0011	N II 0 "1	40001		25'000	W. d. Mars
1/27/2011	Non-Haz-Solids	40001	Pending	35,000	Waste Management
1/27/2011	Non-Haz-Solids	B20-571	Pending	20,000	Waste Management
1/27/2011	Non-Haz-Solids	2536RB	Pending	40,000	Waste Management
1/27/2011	Non-Haz-Solids	Vac Box	Pending	40,000	Waste Management
Non-Haz-Solids	Subtotal			135,000	
Total Solids				964,420	

Notes:

- (1) Clean Harbors Deer Park, Texas for Incineration; Waste Management Coastal Plains Landfill Alvin, Texas
- (2) rejected Load was rejected by Clean Harbors due to free liquids and returned to the Site for additional solidification and reshipment.
- (3) Pending Manifest number pending receipt of manifest from disposal facility. Weights for these loads are estimated and thus are shown in italics.

TABLE 5 - NORTH CONTAINMENT AREA SOILS DISPOSAL SUMMARY

Shipment Date	Waste Description	Box No.	Manifest No.	Weight (lbs)	Waste Disposition ⁽¹⁾	
2/8/2011	Haz-Soils	RB26712	Pending ⁽²⁾	38,000	Clean Harbors	
2/8/2011	Haz-Soils	RBR250185	Pending	38,000	Clean Harbors	
Scheduled ⁽³⁾	Haz-Soils	2592	Pending	38,000	Clean Harbors	
Scheduled	Haz-Soils	2535RB	Pending	38,000	Clean Harbors	
Scheduled	Haz-Soils	RB250070	Pending	38,000	Clean Harbors	
Scheduled	Haz-Soils	N26603	Pending	38,000	Clean Harbors	
Scheduled	Haz-Soils	N26538	Pending	38,000	Clean Harbors	
Scheduled	Haz-Soils	2498RB	Pending	38,000	Clean Harbors	
Total Haz-Soils				304,000		

Notes:

- (1) Clean Harbors Deer Park, Texas for Incineration
- (2) Pending Manifest number pending receipt of manifest from disposal facility. Weights for these loads are estimated and thus are shown in italics.
- (3) Scheduled Load not yet shipped. Scheduled for shipment week of March 14, 2011.

TABLE 6 - SOIL ANALYTICAL DATA RELATIVE TO COMPARISON CRITERIA⁽¹⁾

		SAMPLE DESIGNATION ⁽³⁾										
		-			SA	MPLE DE	SIGNATI	ON ⁽³⁾		I		
Chemicals of Interest	Comparison Criteria ⁽²⁾	T-15-F	T-21-F	NC-0-0.3	T-2- WEST	T-6- FLOOR	T-6- EAST	T-6- SOUTH	T-6- NORTH	SC-W	SC-E	
VOCs		Ī.,										
1,1,1,2-Tetrachloroethane	7.60	< 0.00507	<0.00542	<0.00672	<0.026	<0.015	<1.39	<1.36	<0.00577	<0.00586	<0.00722	
1,1,1-Trichloroethane	1400.00	<0.011	<0.012	0.213J	<0.058	< 0.033	<3.06	<2.99	0.087J	< 0.013	<0.016	
1,1,2,2-Tetrachloroethane	0.97	<0.013	<0.014	<0.018	<0.069	<0.039 <0.033	<3.66	<3.57 <3.04	<0.015	<0.015	<0.019 <0.016	
1,1,2-Trichloroethane	2300.00	<0.011	<0.012 <0.017	<0.013	<0.039	<0.033	<3.12 <4.40	<4.30	<0.013	<0.013	<0.016	
1.1-Dichloroethene	470.00	<0.032	<0.017	<0.021	<0.168	<0.047	<8.84	<8.63	<0.018	<0.019	<0.023	
1,1-Dichloropropene	60.91	<0.010	<0.034	<0.043	<0.108	<0.029	<2.76	<2.69	<0.037	<0.037	<0.040	
1,2,3-Trichloropropane	0.0034	<0.017	<0.018	<0.022	<0.087	<0.049	<4.60	<4.49	<0.019	<0.019	<0.024	
1,2,4-Trichlorobenzene	260.00	<0.015	<0.016	<0.020	<0.077	<0.043	<4.04	<3.95	< 0.017	< 0.017	<0.021	
1,2,4-Trimethylbenzene	190.00	< 0.014	0.59J	0.123J	<0.075	<0.042	<3.95	<3.86	0.230J	0.111J	0.074J	
1,2-Dibromo-3-chloropropane	2.20	<0.039	<0.041	<0.051	<0.202	<0.114	. <10.6	<10.4	<0.044	<0.045	<0.055	
1,2-Dibromoethane	0.07	<0.012	<0.012	< 0.015	<0.060	<0.034	<3.17	<3.09	< 0.013	<0.013	<0.016	
1,2-Dichlorobenzene 1,2-Dichloroethane	370.00 0.84	<0.016 <0.00633	<0.017 <0.00676	<0.021 0.603	<0.082 <0.033	<0.046 <0.019	<4.31 <1.74	<4.21 <1.70	<0.018 <0.00720	<0.018 <0.00731	<0.022 <0.00901	
1,2-Dichloropropane	0.85	<0.00522	<0.00578	<0.003	<0.033	<0.019	<1.74	<1.70	<0.00720	<0.00731	< 0.00743	
1,3,5-Trimethylbenzene	78.00	<0.012	< 0.012	0.110J	<0.061	< 0.034	<3.20	<3.12	0.094J	0.057J	< 0.017	
1,3-Dichlorobenzene	88.17	< 0.015	<0.016	<0.020	<0.080	<0.045	<4.23	<4.13	< 0.018	<0.018	<0.022	
1,3-Dichloropropane	60.91 8.10	<0.00865	<0.00924 <0.021	<0.011 <0.026	<0.045 <0.103	<0.025 <0.058	<2.37 <5.45	<2.32 <5.32	<0.00983 <0.023	<0.00999 <0.023	<0.012 <0.028	
2,2-Dichloropropane	44.19	<0.020	<0.021	<0.026	<0.103	<0.038	<15.4	<15.0	<0.023	<0.023	<0.028	
2-Butanone	34000.00	<0.029	< 0.031	<0.039	<0.152	<0.085	<7.99	<7.80	< 0.033	<0.034	<0.041	
2-Chloroethylvinyl ether	3.31	< 0.011	<0.012	< 0.015	<0.059	<0.033	<3.10	<3.03	< 0.013	< 0.013	<0.016	
2-Chlorotoluene	510.00	<0.013	<0.014	<0.017	<0.066	<0.037	<3.50	<3.42	<0.015	<0.015	<0.018	
2-Hexanone 4-Chlorotoluene	79.20 3.46	<0.016	<0.018	<0.022 <0.020	<0.085 <0.077	<0.048 <0.043	<4.49 <4.06	<4.39 <3.96	<0.019 <0.017	<0.019 <0.017	<0.023	
4-Isopropyltoluene	4713.42	<0.013	< 0.010	<0.020	< 0.067	<0.038	<3,53	<3.44	< 0.017	< 0.017	<0.021	
4-Methyl-2-pentanone	17000.00	< 0.016	<0.018	<0.022	< 0.086	<0.048	<4.52	<4.41	<0.019	<0.019	<0.023	
Acetone	8114.02	<0.051	<0.055	<0.068	<0.267	<0.150	<14.1	<13.7	<0.058	<0.059	<0.073	
Acrolein Acrylonitrile	0.38	<0.097 <0.052	<0.103	<0.128 <0.069	<0.504 <0.269	<0.283 <0.152	<26.5 <14.2	<25.9 <13.8	<0.110	<0.112 <0.060	<0.138 <0.074	
Benzene	1.60	<0.032	<0.00707	0.217J	<0.209	1.33	18.2J	13.8J	2.94	0.102J	<0.00942	
Bromobenzene	120.00	<0.005	<0.00707	<0.019	<0.076	<0.043	<3.99	<3.90	< 0.017	<0.017	<0.00342	
Bromodichloromethane	2.60	<0.00724	< 0.00775	<0.00960	<0.078	<0.021	<1.99	<1.94	< 0.00824	<0.00838	<0.021	
Bromoform	240.00	< 0.011	<0.012	<0.015	<0.058	<0.033	<3.06	<2.99	< 0.013	< 0.013	< 0.016	
Bromomethane	15.00	< 0.071	< 0.075	<0.093	< 0.368	<0.207	<19.4	<18.9	<0.080	<0.082	<0.100	
Butanol Carbon disulfide	3075.73 720.00	<0.884	<0.945 <0.024	<1.17 <0.030	<4.61 <0.117	<2.59 <0.066	<243 <6.17	<237 <6.02	<1.01 <0.026	<1.02 <0.026	<1.26 <0.032	
Carbon distinde Carbon tetrachloride	0.58	<0.022	<0.012	<0.030	<0.059	<0.033	<3.13	<3.05	<0.020	<0.020	<0.032	
Chlorobenzene	600.00	<0.00908	<0.00971	<0.012	<0.047	<0.027	<2.49	<2.43	<0.010	<0.010	<0.013	
Chloroethane	7.20	<0.032	< 0.034	<0.042	<0.166	<0.093	<8.74	<8.53	<0.036	< 0.037	<0.045	
Chloroform	0.58	0.638	0.286	0.545	<0.062	<0.035	<3.26	18.4J	0.293	< 0.014	<0.017	
Chloromethane cis-1,2-Dichloroethene	3.00	<0.037 0.198J	<0.039 0.250J	<0.048 <0.011	<0.191	<0.107 <0.024	<10.0 <2.28	<9.80 <2.23	<0.042 <0.00945	<0.042 <0.00960	<0.052 0.012	
cis-1,3-Dichloropropene	42.94	<0.00700	< 0.00749	<0.00928	<0.043	<0.024	<1.92	<1.88	<0.00943			
Cyclohexane	6800.00	<0.00850	0.108J	0.183J	<0.044	<0.025	<2.33	<2.28	0.063J	0.208J	0.106J	
Dibromochloromethane	2.60	<0.00676	< 0.00723	<0.00896	<0.035	<0.020	<1.86	<1.81	<0.00769		<0.00963	
Dibromomethane Dichlorodifluoromethane	194.29 340.00	<0.015 <0.00536	<0.016 <0.00573	<0.020 <0.00711	<0.079 <0.028	<0.044 <0.016	<4.16 <1.47	<4.06 <1.44	<0.017 <0.00610	<0.018 <0.00620	<0.022 <0.00763	
Ethylbenzene	230.00	<0.00536	<0.00573	0.818	<0.028	9.44	272	321	1.83	0.144J	0.00763 0.195J	
Hexachlorobutadiene	22.80	<0.011	0.179J	< 0.015	<0.059	<0.033	<3.09	<3.02	<0.013	<0.013	<0.016	
Isopropylbenzene (Cumene)	580.00	<0.00942	0.236J	0.942J	32.6J	12.6J	1660J	5433	0.221J	0.328J	0.427J	
Methyl acetate	6589.22	<0.017	<0.018	1.03	<0.086	<0.048	<4.53	<4.43	<0.019	<0.019	<0.024	
Methyl iodide Methylcyclohexane	121.39 140.00	<0.063 <0.00792	<0.068 <0.00847	<0.084 <0.010	<0.330 <0.041	<0.186 <0.023	<17.4 <2.17	<17.0 <2.12	<0.072 <0.00901	<0.073 <0.00916	<0.090 <0.011	
Methylene chloride	22.00	< 0.00732	<0.018	0.062J	<0.088	<0.049	<4.61	<4.50	< 0.019	< 0.019	<0.024	
Naphthalene	189.76	< 0.040	0.101J	0.49	<0.208	<0.117	<10.9	16.4J	0.427	0.118J	0.164J	
n-Butylbenzene	240.00	<0.017	<0.018	<0.022	<0.088	<0.049	<4.63	<4.52	<0.019	<0.019	<0.024	
n-Propylbenzene	240.00	<0.013	<0.014	<0.017	<0.068	<0.038	<3.59	<3.51	0.155J	<0.015	<0.019	
o-Xylene sec-Butylbenzene	280.00 220.00	<0.00913 <0.012	<0.00976 <0.013	0.176J <0.016	<0.048	1.95 <0.036	<3.33	68.6 <3.25	0,357 <0.014	0.109J <0.014	0.087J <0.017	
Styrene	1700.00	<0.012	<0.013	<0.016	<0.066	<0.036	<3.33 21.8J	15.2J	<0.014	<0.014	<0.017	
tert-Butyl methyl ether (MTBE)	41.00	< 0.00807	<0.00862	<0.017	<0.042	0.234J	<2.21	<2.16	0.479	<0.00932	<0.018	
tert-Butylbenzene	390.00	<0.011	< 0.012	<0.015	< 0.060	<0.034	<3.14	<3.07	< 0.013	<0.013	<0.016	

TABLE 6 - SOIL ANALYTICAL DATA RELATIVE TO COMPARISON CRITERIA⁽¹⁾

		1	SAMPLE DESIGNATION(3)								
					T-2-	Т-6-	T-6-	Т-6-	T-6-		
Chemicals of Interest	Comparison Criteria ⁽²⁾	T-15-F	T-21-F	NC-0-0.3	WEST	FLOOR	EAST	SOUTH	NORTH	SC-W	SC-E
Tetrachloroethene	1.70	<0.0100	2,5	0.835	<0.052	<0.029	<2.74	<2.68	<0.011	< 0.012	<0.014
Toluene	520.00	<0.00966	<0.010	0.227J	<0.050	1	37.0J	23.8J	0.271J	<0.011	<0.014
trans-1,2-Dichloroethene	240.00	<0.00976	<0.010	<0.013	<0.051	<0.029	<2.68	<2.61	<0.011	< 0.011	<0.014
trans-1,3-Dichloropropene	60.91	<0.011	<0.011	< 0.014	<0.055	<0.031	<2.92	<2.85	<0.012	< 0.012	<0.015
trans-1,4-Dichloro-2-butene	0.29	<0.027	<0.029	<0.036	<0.143	<0.080	<7.53	<7.35	<0.031	<0.032	<0.039
Trichloroethene	0.10	0.112J	0.118J	1.02	<0.059	<0.033	<3.10	<3.03	0.174J	<0.013	<0.016
Trichlorofluoromethane Trichlorotrifluoroethane	1400.00 5600.00	<0.00647	<0.00692 <0.059	<0.00858 <0.074	<0.034 <0.290	<0.019	<1.78 <15.2	<1.73 <14,9	<0.00736 <0.063	<0.00748 <0.064	<0.00922 <0.079
Vinyl acetate	1600.00	<0.036	<0.039	<0.074	<0.290	<0.103	<2.94	<2.87	<0.003	<0.004	<0.079
Vinyl chloride	0,43	<0.00652	< 0.00697	< 0.00864	<0.034	<0.019	<1.79	<1.75	< 0.00742	< 0.00754	<0.00928
Xylene (total)	210.00	<0.033	< 0.035	0.298J	<0.173	1.95	167	68.6J	1.02	0.226J	0.187J
SVOCs	210.00	<0.033	<u> </u>	0.2963	<0.173	1.93	107	08.03	1.02	0.2203	0.1873
1,2Diphenylhydrazine/Azobenzen	2.40	<0.00894	<0.00901	<0.00900	<0.00939	<0.010	<0.010	<0.010	<0.00962	<0.00981	<0.010
2,4,5-Trichlorophenol	12499.12	< 0.047	< 0.047	<0.00700	<0.049	<0.010	<0.010	< 0.010	< 0.050	<0.051	<0.053
2,4,6-Trichlorophenol	170.00	<0.062	<0.062	<0.062	<0.065	<0.070	<0.070	< 0.069	< 0.066	<0.068	< 0.070
2,4-Dichlorophenol	1683.88	< 0.063	< 0.064	< 0.064	<0.066	<0.072	<0.072	< 0.071	<0.068	< 0.069	<0.072
2,4-Dimethylphenol	2867.85	< 0.050	< 0.050	< 0.050	<0.053	<0.057	< 0.057	<0.056	<0.054	<0.055	<0.057
2,4-Dinitrophenol	1362.67	<0.211	< 0.212	<0.212	<0.221	<0.238	< 0.241	< 0.236	<0.227	<0.231	<0.238
2,4-Dinitrotoluene	20.62	<0.055	<0.056	<0.056	<0.058	<0.063	<0.063	<0.062	<0.060	<0.061	<0.063
2,6-Dinitrotoluene	28.05	<0.023	<0.023	<0.023	<0.024	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026
2-Chloronaphthalene 2-Chlorophenol	26000.00 260.00	<0.021	<0.021 <0.030	<0.021 <0.030	<0.022 · <0.032	<0.024 <0.034	<0.024	<0.024	<0.023 <0.033	<0.023 <0.033	<0.024 <0.034
2-Methylnaphthalene	2477.58	<0.021	0.128J	0.145J	<0.032	<0.034	1.29J	0.55J	<0.033	<0.033	0.073J
2-Nitroaniline	2000.00	<0.044	< 0.045	<0.044	<0.046	<0.050	<0.050	<0.050	<0.048	<0.048	<0.050
2-Nitrophenol	405.55	<0.018	< 0.018	<0.018	< 0.019	<0.020	<0.021	<0.020	<0.019	<0.020	<0.020
3,3'-Dichlorobenzidine	4.30	<0.251	<0.253	<0.253	<0.264	<0.284	<0.287	<0.282	<0.270	<0.276	<0.284
3-Nitroaniline	155.19	<0.048	<0.048	<0.048	<0.050.	<0.054	<0.055	<0.054	<0.052	< 0.053	<0.054
4,6-Dinitro-2-methylphenol	0.00	< 0.039	< 0.039	<0.039	< 0.041	<0.044	< 0.044	< 0.043	< 0.042	<0.042	<0.044
4-Bromophenyl phenyl ether	1.10	< 0.035	< 0.035	< 0.035	< 0.036	< 0.039	< 0.040	< 0.039	< 0.037	<0.038	< 0.039
4-Chloro-3-methylphenol	2992.21	< 0.031	< 0.031	<0.031	< 0.033	<0.035	< 0.035	<0.035	<0.033	< 0.034	<0.035
4-Chloroaniline	2700.00	<0.039	< 0.039	<0.039	<0.041 ^f	<0.044	<0.045	<0.044	<0.042	< 0.043	<0.044
4-Chlorophenyl phenyl ether	0.80	<0.044	<0.044	<0.044	<0.046	<0.049	<0.050	<0.049	<0.047	<0.048	<0.049
4-Nitroaniline	0.00	<0.073	<0.074	<0.074	<0.077	<0.083	<0.084	<0.082	<0.079	<0.080	<0.083
4-Nitrophenol	107.23	<0.136	<0.137	<0.137	<0.143	<0.154	<0.155 0.233	<0.152 0.084J	<0.146 <0.024	<0.149 <0.024	<0.154 <0.025
Acenaphthene Acenaphthylene	33000.00 37163.64	<0.022 <0.013	0.142 0.45J	0.069J 0.058J	<0.023 <0.014	<0.023	0.233 0.574J	0.0843 0.037J	0.040J	0.024 0.045J	<0.025
Acetophenone	1700.00	<0.024	< 0.025	0.068J	<0.014	0.046J	0.951	0.0373	<0.026	<0.027	<0.013
Aniline	92,50	<0.021	< 0.021	. <0.021	<0.022	<0.024	<0.024	<0.024	<0.023	<0.023	<0.024
Anthracene	100000.00	< 0.014	0.257	0,113	<0.015	<0.016	0.072J	<0.015	< 0.015	0.053J	0.025J
Atrazine (Aatrex)	8.60	<0.058	< 0.059	<0.058	<0.061	<0.066	<0.066	<0.065	<0.063	<0.064	<0.066
Benzaldehyde	344.36	<0.035R	<0.036R	<0.035R	<0.037R	<0.040R	<0.040R	<0.040R	<0.038R	<0.039R	<0.040R
Benzidine Benzo(a)anthracene	0.01 2.30	<1.96 <0.017	<1.96 0.275	<1.98 0.217	<2.06 <0.018	<2.22 <0.019	<0.019	<2.20 <0.019	<2.11 <0.018	<2.16 0.094	<2.22 0.060J
Benzo(a)pyrene	0.23	<0.017	0.273	0.217	<0.018	<0.019	<0.019	<0.019	<0.018	0.094	0.062J
Benzo(b)fluoranthene	2.30	<0.012	0.188 0.295J	0.102 0.346J	<0.013	<0.014	< 0.014	<0.023	<0.024	0.103 0.293J	0.244J
Benzo(g,h,i)perylene	18581.82	< 0.011	0.236J	0.286J	<0.011	<0.012	<0.012	<0.012	0.181J	0.328J	0.228J
Benzo(k)fluoranthene	23.00	<0.018	0.079J	0.074J	<0.019	<0.020	<0.021	<0.020	<0.019	0.065J	0.038J
Benzoic acid	496.39	<0.136	<0.137	<0.137	<0.143	<0.154	<0.155	<0.152	<0.146	<0.149	<0.154
Benzyl alcohol	6245.03	<0.046	<0.046	<0.046	<0.048	<0.052	<0.052	<0.051	<0.049	<0.050	<0.052
Biphenyl Bis(2-Chloroethoxy)methane	193.66 6.25	<0.013	0.062J <0.022	0.058J <0.022	0.029J <0.023	<0.015 <0.025	0.435J <0.025	0.180J <0.024	<0.014 <0.023	<0.014	<0.015 <0.025
Bis(2-Chloroethyl)ether	0.62	<0.022	<0.022	<0.022	<0.023	<0.023	<0.023	<0.024	<0.023	<0.024	<0.023
Bis(2-Chloroisopropyl)ether	107.99	<0.020	<0.020	<0.020	<0.021	<0.023	<0.023	< 0.023	<0.022	<0.022	<0.023
Bis(2-Ethylhexyl)phthalate	140.00	< 0.015	0.275	0.501	0.112	< 0.017	< 0.017	< 0.017	0.115	0.154	0.123
Butyl benzyl phthalate	240.00	<0.00828	<0.00835	<0.00834	< 0.00871	<0.00938	< 0.00947	< 0.00930	<0.00892	< 0.00909	< 0.00938
Caprolactam	234.60	<0.042	27.5	<0.042	< 0.044	<0.047	<0.048	< 0.047	<0.045	<0.046	< 0.047
Carbazole	96.00	<0.028	<0.028	<0.028	<0.030	< 0.032	< 0.032	< 0.032	< 0.030	< 0.031	< 0.032
Chrysene	230.00	<0.013	0.377J	0.215J	<0.014	< 0.015	<0.015	<0.015	0.023J	0.133J	0.081J
Dibenz(a,h)anthracene	0,23	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Dibenzofuran Diethyl phthalate	1700.00 2041.30	<0.014	<0.014	<0.014	<0.014	<0.015 <0.041	<0.016	<0.015	<0.015 0.044J	<0.015 0.045J	<0.015 <0.041
Dimethyl phthalate	932.98	<0.036	<0.037	<0.037	< 0.00914	<0.00985	<0.00994	< 0.00976	< 0.00937	< 0.00955	<0.00985
Di-n-butyl phthalate	16229.73	<0.00948	< 0.00956	< 0.00955	0.00514 0.015J	0.013J	< 0.011	0.017J	< 0.010	<0.010	<0.00303
		,									

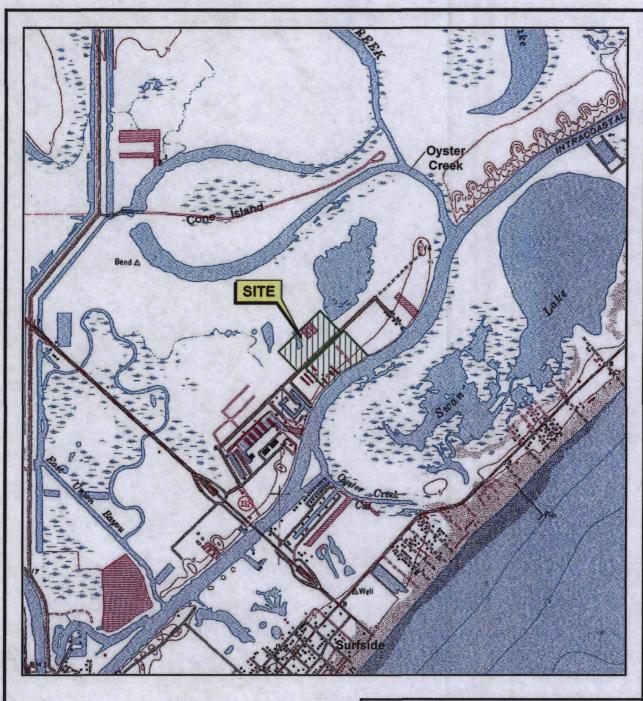
TABLE 6 - SOIL ANALYTICAL DATA RELATIVE TO COMPARISON CRITERIA(1)

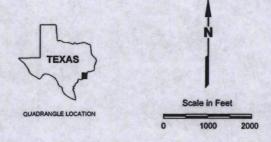
	SA	MPLE DE	SIGNATI	ON ⁽³⁾							
Chemicals of Interest	Comparison Criteria ⁽²⁾	T-15-F	T-21-F	NC-0-0.3	T-2- WEST	T-6- FLOOR	T-6- EAST	T-6- SOUTH	T-6- NORTH	SC-W	SC-E
Di-n-octyl phthalate	27000.00	< 0.013	<0.013	<0.013	< 0.014	<0.015	<0.015	<0.014	<0.014	< 0.014	< 0.015
Fluoranthene	24000.00	0.017J	0.352J	0.42	< 0.00913	<0.00984	0.040J	0.048J	0.015J	0.178J	0.111J
Fluorene	·24775.76 .	<0.012	0.16	0.115	0.020J	<0.014	0.268	0.106	<0.013	< 0.013	0.018J
Hexachlorobenzene	1.20	< 0.047	< 0.047	< 0.047	< 0.049	<0.053	< 0.054	< 0.053	<0.051	< 0.052	< 0.053
Hexachlorocyclopentadiene	10.18	< 0.059	< 0.059	< 0.059	< 0.062	<0.066	< 0.067	< 0.066	< 0.063	< 0.064	< 0.066
Hexachloroethane	140.00	<0.058	< 0.059	< 0.059	< 0.061	< 0.066	< 0.067	< 0.065	< 0.063	< 0.064	< 0.066
Indeno(1,2,3-cd)pyrene	2.30	< 0.016	0.257J	0.312J	< 0.017	<0.018	<0.018	<0.018	<0.017	0.333J	0.259J
Isophorone	1903.23	< 0.013	< 0.013	< 0.013	< 0.014	< 0.015	< 0.015	< 0.014	<0.014	< 0.014	< 0.015
Nitrobenzene	110.00	< 0.018	<0.018	< 0.018	< 0.019	<0.021	< 0.021	<0.020	<0.020	<0.020	< 0.021
n-Nitrosodimethylamine	0.04	< 0.020	< 0.020	< 0.020	< 0.021	< 0.023	< 0.023	< 0.022	<0.021	< 0.022	< 0.022
n-Nitrosodi-n-propylamine	0.27	<0.020	<0.020	<0.020	< 0.021	<0.023	< 0.023	< 0.023	<0.022	< 0.022	< 0.023
n-Nitrosodiphenylamine	390.00	< 0.012	< 0.013	< 0.013	< 0.013	< 0.014	< 0.014	< 0.014	< 0.013	< 0.014	< 0.014
o-Cresol	1922.57	<0.012	< 0.012	<0.012	<0.013	< 0.014	0,156J	<0.013	<0.013	<0.013	<0.014
Pentachlorophenol	10.00	<0.032	< 0.032	<0.032	< 0.034	< 0.036	< 0.037	<0.036	<0.035	< 0.035	< 0.036
Phenanthrene	18581.82	<0.016	1.18	0.493	0.024J	<0.018	0.29	0.129	0.019J	0.105	0.077J
Phenol	2384.11	< 0.019	<0.019	< 0.019	<0.020	<0.022	< 0.022	< 0.021	0.092J	<0.021	< 0.022
Pyrene	18581.82	< 0.055	0.832J+	0.380J	<0.058	<0.062	0.063J	< 0.062	<0.059	0.220J	0.122J
Pyridine	142.66	<0.022	<0.022	<0.022	< 0.023	<0.025	< 0.025	< 0.025	<0.024	< 0.024	< 0.025

Notes

- 1. All values in mg/kg.
- 2. Comparion criteria are the lower of the chemical of interest's EPA Region 6 Soil Screening Criteria value and TCEQ Tol Soil Comb value.
- 3. Sample locations are as follows (see text for additional descriptions):
- T-15-F: from base of scraped area approximately 0.8 ft. below ground surface (bgs)
- T-21-F: from base of scraped area approximately 0.5 ft. bgs
- NC-0-0.3: from containment area floor surface to depth of 0.3 ft. bgs
- T-2-WEST: west wall of excavation, near southwest corner, 2.5 ft bgs
- T-6-FLOOR: floor of excavation, 5.8 ft bgs
- T-6-EAST: east wall of excavation, 4.0 ft bgs
- T-6-SOUTH: south wall of excavation, 4.5 ft bgs
- T-6-NORTH: north wall of excavation, 2.0 ft bgs
- SC-W: clay surface at base of trench, 0.7 ft bgs
- SC-E: clay surface at base of trench, 0.7 ft bgs
- 4. Bold values exceed comparison criteria.
- 5. Data Qualifiers: J = estimated value; J+ = estimated value, biased high; R = rejected value.

FIGURES





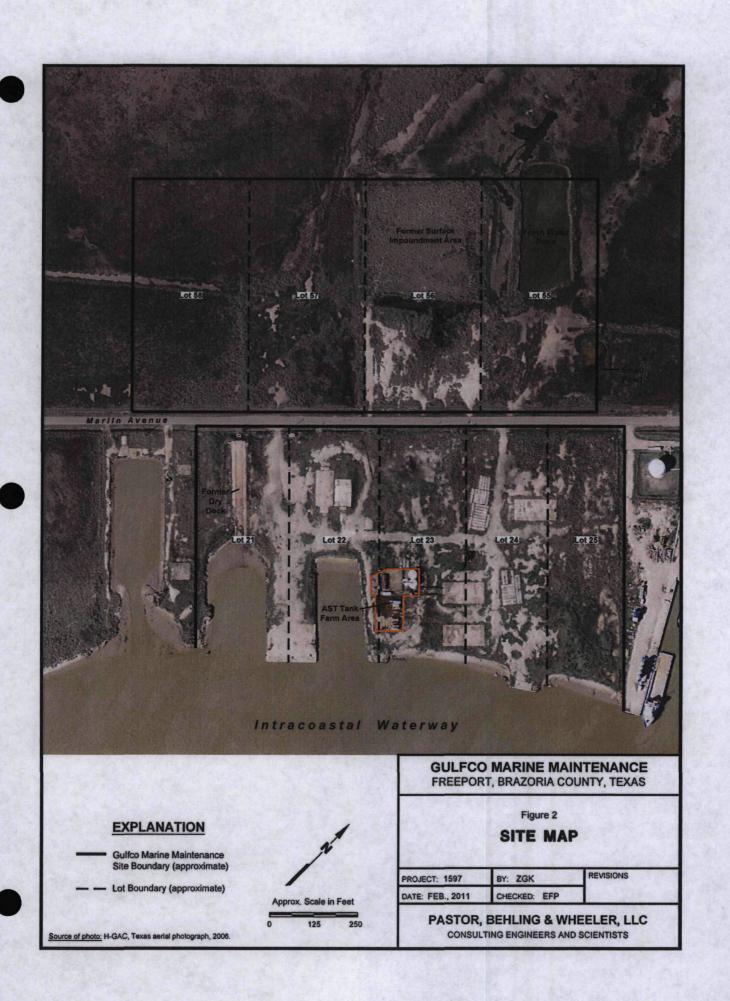
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U.S.G.S. quadrangle, 1974.

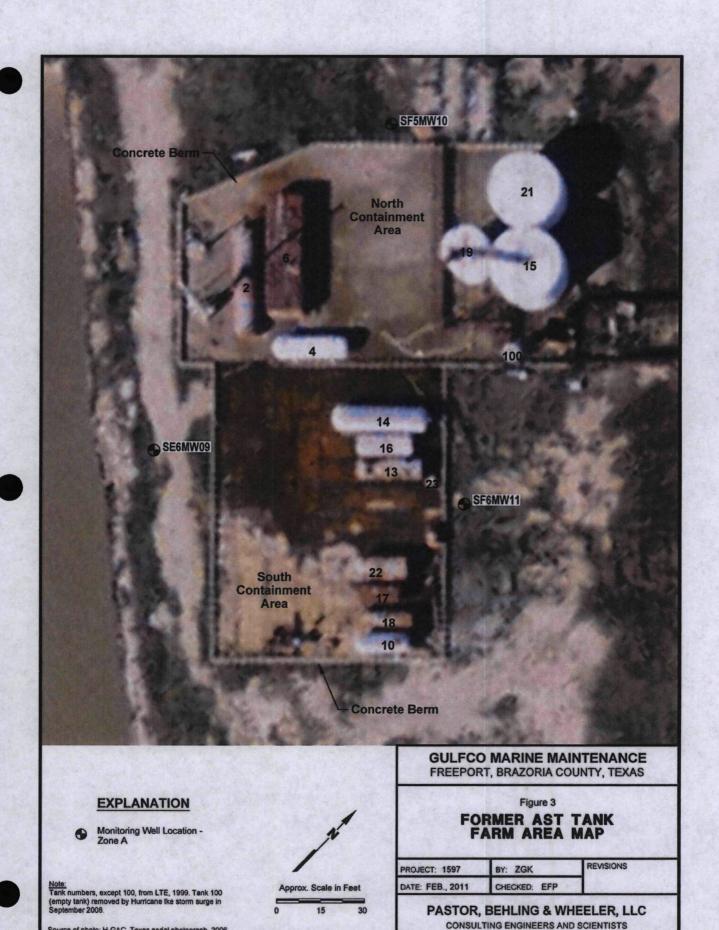
GULFCO MARINE MAINTENANCE FREEPORT, BRAZORIA COUNTY, TEXAS

Figure 1 SITE LOCATION MAP

PROJECT: 1597	BY: ZGK	REVISIONS
DATE: FEB., 2011	CHECKED: EFP	

PASTOR, BEHLING & WHEELER, LLC CONSULTING ENGINEERS AND SCIENTISTS





Source of photo: H-GAC, Texas aerial photograph, 2006.



EXPLANATION

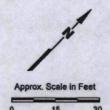


Sample Location

Approximate Extent of Excavation Beneath Tank Nos. 2 and 6

Note:
Tank numbers, except 100, from LTE, 1999. Tank No. 100
(empty tank) removed by Hurricane lke storm surge in
September 2008. Verification samples collected in January
2011 after all tanks removed. Locations are approximate.

Source of photo: H-GAC, Texas aerial photograph, 2006.



GULFCO MARINE MAINTENANCE FREEPORT, BRAZORIA COUNTY, TEXAS

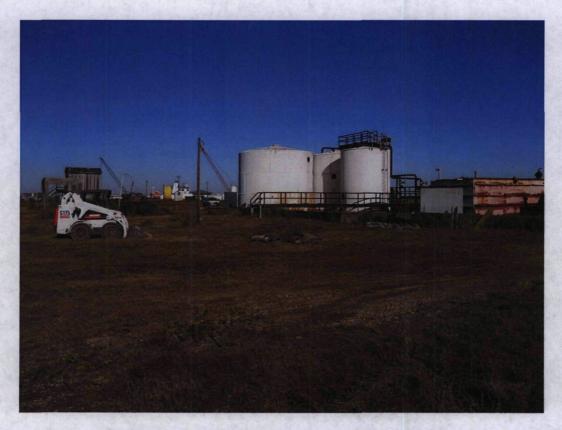
Figure 4

FORMER AST TANK FARM VERIFICATION SAMPLE LOCATIONS

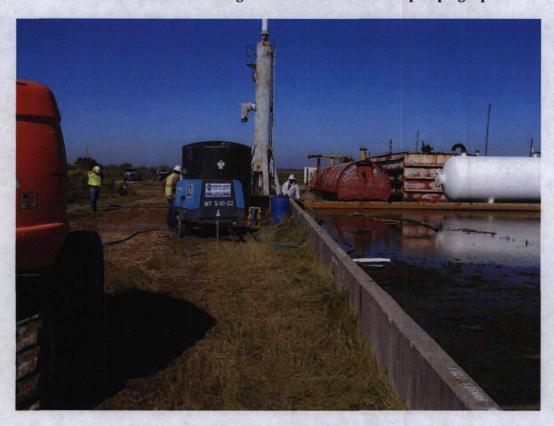
PROJECT: 1597	BY: ZGK	REVISIONS
DATE: FEB., 2011	CHECKED: EFP	

PASTOR, BEHLING & WHEELER, LLC

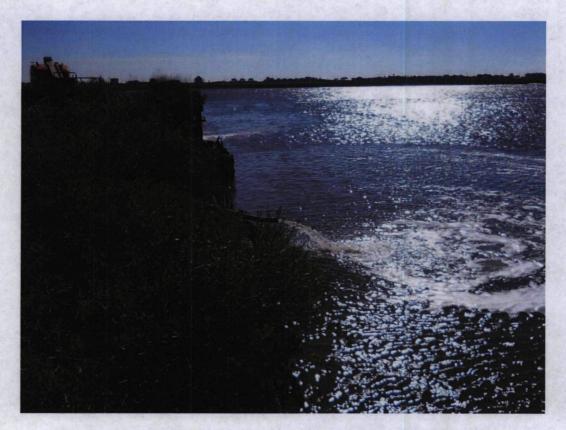
CONSULTING ENGINEERS AND SCIENTISTS



Photograph 1 – Looking southeast at North Containment during EEI mobilization and setup. Holes have been cold-cut in large ASTs to allow access for pumping liquids.



Photograph 2 – Looking north along west side of AST Tank Farm – first pumping of accumulated water from the containment areas.



Photograph 3 – Looking south along east side of east barge slip – pumping water from containment areas into the Intracoastal Waterway.



Photograph 4 – Looking south in South Containment following rain event in late-December 2010. South Containment Area water sample was collected beyond blue drum on left side of photograph.



Photograph 5 – Accumulated water in footprint of Tank No. 6 following rain event in late-December 2010. One of two North Containment Area water samples was collected from this location.



Photograph 6 – Accumulated water in low area around Tank No. 21 (left) and Tank No. 15 (right) following rain event in late-December 2010. The second of two North Containment Area water samples was collected near the upended bottom of Tank No. 21.



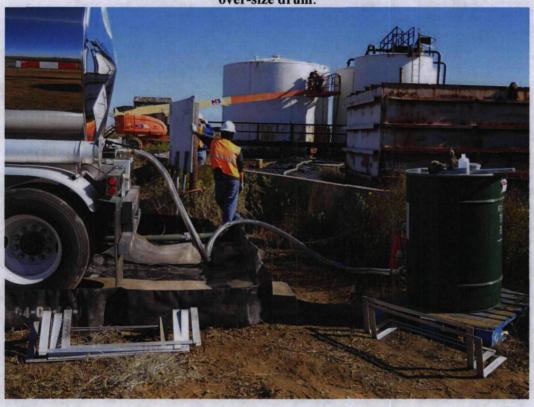
Photograph 7 – Asbestos inspector collecting sample of the flange gasket on the east end of Tank No. 10.



Photograph 8 – Contractors using cutting torch to cut out entire flange on the east end of Tank No. 10 with its gasket containing asbestos.



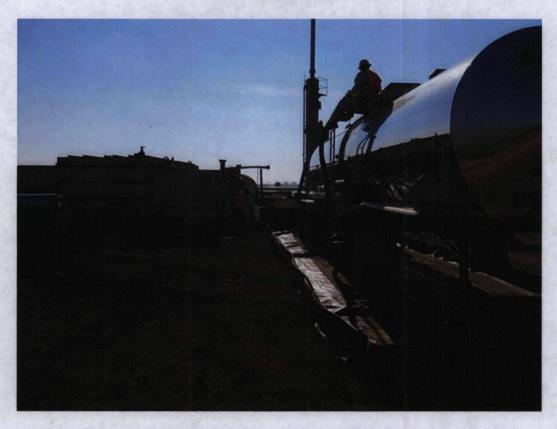
Photograph 9 – Contractors placing flange from east end of Tank No. 10 into a drum for storage and disposal. Flange was wrapped in plastic to secure the gasket while the contractor acquired an over-size drum.



Photograph 10 – Pumping liquid wastes from Tank No. 21 into tanker. Note the tanker is staged in temporary containment and tanker vent is connected to a carbon canister (green drum) to collect air vent emissions.



Photograph 11 – Pumping liquid wastes from small ASTs located in the South Containment Area.



Photograph 12 – Pumping liquid wastes directly from ASTs into tanker staged inside temporary containment.



Photograph 13 – Air monitoring performend during pumping activities included periodic checking of the carbon canister exhaust for breakthrough.



Photograph 14 – Truck moving loaded tanker out of temporary containment in preparation for transporting to the Clean Harbors facility.



Photograph 15 – Looking south – the contractor using hydraulic sheers to open Tank No. 21 to allow access for solidification of tank contents after liquids were removed.



Photograph 16 – Looking west – the contractor using hydraulic sheers to open the top of small AST (Tank No. 13) to allow access for solidification of material remaining in the tank.



Photograph 17 – Looking west – Tank No. 21 is on the right and Tank No. 15 is on the left. The contractor is adding fly ash to the contents of Tank No. 21 during solidification activities.



Photograph 18 – Looking north into Tank No. 6 – the contractor is using the trackhoe to mix fly ash with sludge in Tank No. 6 to facilitate solidification.



Photograph 19 – Looking southwest – Tank No. 21 is on the right and Tank No. 15 is on the left. The contractor is using the trackhoe to mix fly ash with the sludge in Tank No. 15 during sludge solidification.



Photograph 20 – Looking south – the contractor is using the trackhoe to mix fly ash with sludge in Tank No. 13 located in the South Containment Area.



Photograph 21 – Looking west – loading solidified sludge from Tank No. 15 to roll-off boxes.



Photograph 22 – Action Resources truck picking up roll-off box loaded with sludge for transport to the Clean Harbors facility.



Photograph 23 – Contractor shoveling out the last of the sludge from the bottom of Tank No. 15. Each AST was decontaminated by hand-shoveling the last of the sludge, and at a minimum scraping, brushing and steam-cleaning. Surfacants were used as needed to remove any residual oily film.



Photograph 24 – Contractor steam-cleaning the bottom of Tank No. 15 after the last of the sludge was scraped out.



Photograph 25 - Contractor decontaminating Tank No. 6 in preparation for demolition.



Photograph 26 – One-half of the bottom of Tank No. 21 after it was decontaminated and readied for demolition.



Photograph 27 – Contractor using a cutting torch to cut the top off of Tank No. 15 as part of the tank demolition and to allow access for tank decontamination.



Photograph 28 – Contractor using the trackhoe to remove the upper portion of Tank No. 15 from the bottom after torch cutting.



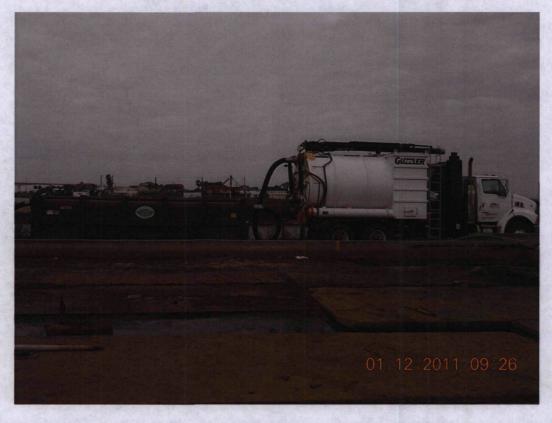
Photogrpah 29 – Contractor using the track hoe to demolish small ASTs in the South Containment Area. Demolished and crushed tanks and tank pieces were loaded into scrap boxes (right side of photograph) for transport to the metal recycler.



Photograph 30 – Contractor crushing pieces of Tank Nos. 6 and 15 prior to loading pieces into the scrap box (far left).



Photograph 31 – Contractor loading one-half of Tank No. 14 into scrap box for transport to the metal recycler. Tank No. 14 is the only tank that was not completely demolished on-site.



Photograph 32 – "Air-Mover" with in-line vacuum box used during decontamination of the South Containment Area.



Photograph 33 – Contractor using pressure washer (steam cleaner) and air mover to clean and vacuum mud and sediment from concrete in South Containment Area.



Photograph 34 – Looking east near northeast corner of South Containment Area after cleaning was complete. Note the network of trenches and clay bottom of the trenches.



Photograph 35 – Looking northeast at South Containment Area after the trenches were filled with sandy clay from an off-site quarry.



Photograph 36 – Contractor breaching concrete berm of the South Containment Area at the northeast corner of the containment area, after decontamination was complete and trenches backfilled with sandy clay. The water seen here accumulated after all site-work was completed.



Photograph 37 – Looking northwest at South Containment Area after accumulated water was drained by breaching the concrete berm in both the northwest corner (on left in the distance) and the northeast corner (far right).



Photograph 38 – Looking south at the footprint of Tank No. 6 after the tank was overturned. Floor of containment area beneath the tank was visibly impacted.



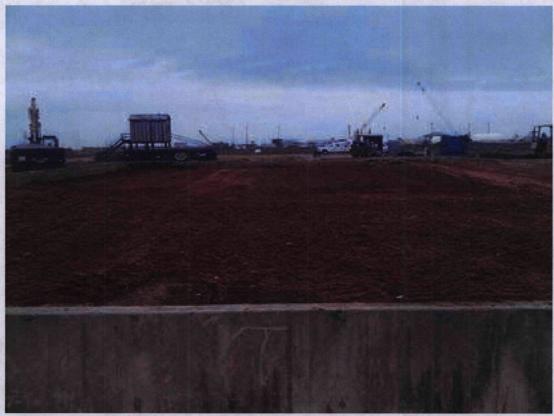
Photograph 39 – Looking southeast at the Tank Nos. 2 and 6 excavation area. The footprint of Tank No. 2 is on the right and not visibly impacted other than the far south end. Visibly impacted soil can be seen in the south and east walls of the excavation, below a depth of approximately 2.5 feet below ground surface (center and left side of photograph).



Photograph 40 – Looking north at the footprints of Tank Nos. 15 and 21 after visibly impacted caliche base had been scraped and stockpiled along the east wall of the containment (right side of photograph). The stockpiled material was loaded into a roll-off box for off-site disposal at the Clean Harbors facility.



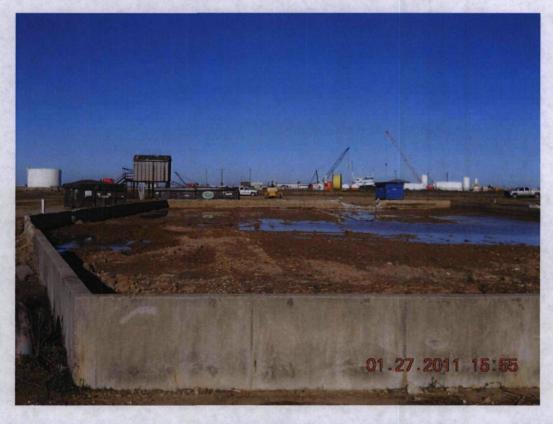
Photograph 41 – Looking southeast at the Tank Nos. 2 and 6 excavation during backfill with sandy clay. Contractor laid plastic in the excavation prior to backfilling.



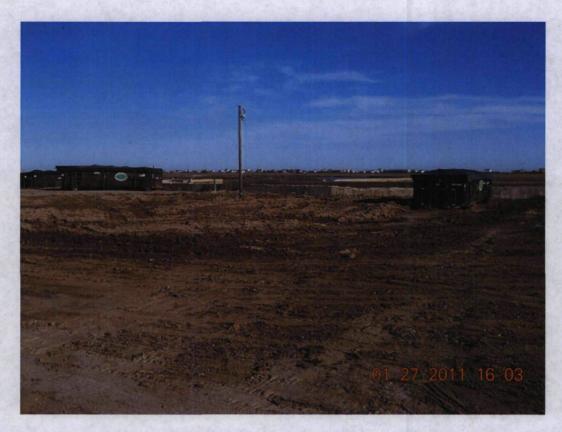
Photograph 42 – Looking east at the North Containment Area after excavation and scraped areas were backfilled, all debris removed, and containment area graded to drain to the east.



Photograph 43 – Contractor breaching concrete berm along east side of North Containment Area. Water seen here, and being released with the breaching of the berm, accumulated after site-work was complete, and confirmation water sample was collected, analyzed and evaluated.



Photograph 44 – Looking east – North Containment Area after concrete berm was breached and most of accumulated water had drained.



Photograph 45 – Looking southeast at the former AST Tank Farm after site-work was completed – the former AST Tank Farm is in the center of the photograph. The roll-off boxes contain impacted soil awaiting transport to the Clean Harbors facility.

APPENDIX B

TCEQ SURFACE WATER DISCHARGE AUTHORIZATION LETTER

Bryan W. Shaw, Ph.D., Chairman
Buddy Garcia, Commissioner
Carlos Rubinstein, Commissioner
Mark R. Vickery, P.G., Executive Director



Texas Commission on Environmental Quality

Protecting Texas by Reducing and Preventing Pollution
July 27, 2010

Mr. Gary Miller Superfund Division, Region 6 (6SF-RA) Arkansas/Texas Section U.S. Environmental Protection Agency 1445 Ross Avenue, Suite 1200 Dallas, Texas 75202-2733

Re: Discharge of Accumulated Water within Aboveground Storage Tank Farm Containment Area, Gulfco Marine Maintenance Site, Freeport, Texas

Dear Mr. Miller:

On April 27, 2010, Pastor, Behling & Wheeler, LLC (PBW), on behalf of LDL Coastal Limited LP (LDL), Chromalloy American Corporation (Chromalloy) and The Dow Chemical Company (Dow), submitted an Industrial Wastewater Permit Application Abbreviated Technical Report (report) for discharge of accumulated water within an aboveground storage tank (AST) Tank Farm containment area at the above-referenced Site to the Texas Commission on Environmental Quality (TCEQ), Remediation Division. The accumulated water is to be removed from the containment area as part of a Removal Action at the AST Tank Farm. PBW requested that the TCEQ review the submitted report and develop effluent limitations to assess whether the accumulated water could be discharged to the nearby Intracoastal Waterway. On April 29, 2010, the TCEQ Remediation Division forwarded the report via interoffice memorandum to the Industrial Permits, Wastewater Permit Section.

Based on the report and supplemental information submitted by PBW on May 11, 2010 in response to a TCEQ request, TCEQ Industrial Permits, Wastewater Permits Section technical staff prepared a memorandum dated June 22, 2010 (see Attachment 1). The memorandum provides water quality- and technology-based effluent limitations for certain specific parameters for the requested discharge. The Table 1 (see Attachment 2) compares the effluent limitations from this memorandum to the maximum concentrations of the parameters in four samples collected by PBW from the AST Tank Farm containment area as reported in the Abbreviated Technical Report.

As shown in Table 1, the maximum sample concentrations for all parameters were below all effluent limitations. Based on this evaluation, the TCEQ recommends that the accumulated water within the AST tank farm containment area can be discharged to the Intracoastal Waterway as requested by PBW. It is recommended that pH measurements be collected prior to discharge to verify that pH values for the discharge are within the specified limitations.

Mr. Gary Miller Page 2 July 27, 2010

Thank you for the opportunity to provide this evaluation. Should you have any questions regarding this recommendation or the attached memorandum, please do not hesitate to contact me at (512) 239-6368.

Sincerely,

Ludmila Voskov, P.G., Project Manager

Superfund Section Remediation Division

Texas Commission on Environmental Quality

LV/sr

Enclosures

cc: Larry Champagne, TCEQ, Remediation Division

Mr. Eric Pastor - Pastor, Behling & Wheeler, LLC, 2201 Doble Creek Drive, Suite 4004, Round Rock, TX 78664

DATE: June 22, 2010

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

TO:

Luda Voskov, Project Manager

Superfund Section

Remediation Division (MC 221)

Thru:

(6/25/10 Yvonna Miramontes, Team Leader

Industrial Permits, Wastewater Permits Section (MC 148)

From:

Tres Koenings, Permit Writer

Industrial Permits, Wastewater Permits Section (MC 148)

Subject: Gulfco Marine Maintenance Superfund Site

The following is a summary of our review and recommendations based on the Industrial Wastewater Permit Application Technical Report submitted with the Interoffice Memorandum dated on April 29, 2010.

The Gulfco Marine Maintenance Superfund site has no current business activity. The site was previously used for barge cleaning and maintenance. An aboveground storage tank (AST) Tank Farm, consisting of 14 tanks located within two concrete containment areas, is located in the southern part of the site. This area was used for storage of product heels and wash waters associated with barge cleaning operations. The accumulated storm water from the Tank Farm area needs to be removed and discharged prior to removal of the Tank Farm. Constituents of Concern (COC) include chemicals formerly store in the Tank Farm, which were benzene, chloroform, 1,2-dichloroethane, trichloroethylene, tetrachloroethylene, and vinyl chloride.

The discharge route is directly to the Brazos River Tidal via the Gulf Intracoastal Waterway (GIWW) in Segment No. 1201 of the Brazos River Basin. The designated uses and dissolved oxygen criterion as stated in Texas Surface Water Quality Standards (30 TAC Chapter 307.10) for Segment No. 1201 are contact recreation, public water supply, high aquatic life use and 4.0 mg/L dissolved oxygen.

As requested by memorandum, water quality based effluent limitations are provided for this Superfund Site. Attachment 1 provides the effluent limitations necessary for the protection of aquatic life and human health. Regulations promulgated in Title 40 of the Code of Federal Regulations require technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, and/or on best professional judgment (BPJ) in the absence of guidelines. Attachment 2 provides technology based limitations for use at your discretion based upon 40 CFR §414 J – Direct Discharge Point Source That Do Not Use End-of-Pipe Biological Treatment.

Tres Koenings

June 22, 2010

Date

Received

JUN 25 2010

Superfund Section

ATTACHMENT 1

WATER OUALITY BASED EFFLUENT LIMITATIONS

Parameter	Daily Average	Daily Maximum Sample Type		e Frequency	
Flow (MGD)	(Report)	(Report)	Meter	1/week (*1)	
Benzene	2.4 mg/L	5.1 mg/L	Grab	1/week (*1)	
Chloroform	29.4 mg/L	62.2 mg/L	Grab	1/week (*1)	
1,2-dichloroethane	1.6 mg/L	3.5 mg/L	Grab	1/week (*1)	
Trichloroethylene	13.9 mg/L	29.5 mg/L	Grab	1/week (*1)	
Tetrachloroethylene	7.3 mg/L	15.5 mg/L	Grab	1/week (*1)	
Vinyl Chloride	9.5 mg/L	20.0 mg/L	Grab	1/week (*1)	
pH (standard units)	(Minimum 6.0)	(Maximum 9.0)	Grab	1/week (*1)	

(*1) When discharge occurs.

CALCULATION OF WATER QUALITY BASED EFFLUENT LIMITATIONS:

HUMAN HEALTH						
CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS						
		SW Fish			Daily	Daily
	, ,	Only			Avg.	Max.
Parameter		(ug/L)	WLAh	LTAh	(ug/L)	(ug/L)
Benzene		70.8	1770.00	1646.10	2419.77	5119.37
Chloroform		861	21525.00	20018.25	29426.83	62256.76
1,2-Dichloroethane		49.3	1232.50	1146.23	1684.95	3564.76
Tetrachloroethylene		215	5375.00	4998.75	7348.16	15546.11
Trichloroethylene		408	10200.00	9486.00	13944.42	29501.46
Vinyl Chloride		277	6925.00	6440.25	9467.17	20029.18

ATTACHMENT 2

TECHNOLOGY BASED EFFLUENT LIMITATIONS

Parameter	Daily Average	Daily Maximum Sample Typ		e Frequency	
Flow (MGD) (*1)	(Report)	(Report)	Meter	1/week (*2)	
Benzene (*1)	0.057 mg/L	0.134 mg/L	Grab	1/week (*2)	
Chloroform (*1)	0.111 mg/L	0.325 mg/L	Grab	1/week (*2)	
1,2-dichloroethane (*1)	0.18 mg/L	0.574 mg/L	Grab	1/week (*2)	
Tetrachloroethylene (*1)	0.052 mg/L	0.164 mg/L	Grab	1/week (*2)	
Trichloroethylene (*1)	0.026 mg/L	0.069 mg/L	Grab	1/week (*2)	
Vinyl Chloride (*1)	0.097 mg/L	0.172 mg/L	Grab	1/week (*2)	
pH (standard units) (*1)	(Minimum 6.0)	(Maximum 9.0)	Grab	1/week (*2)	

- (*1) These limitations are based upon 40 CFR §414 J Direct Discharge Point Source That Do Not Use End-of-Pipe Biological Treatment. Technology based limitations are more stringent than the water quality-based limitations and may be used if deemed appropriate by the TCEQ project manager. Flow and pH technology based limitations were the same as water quality-based limitations.
- (*2) When discharge occurs.

DEFINITIONS

- 1. Daily average flow the arithmetic average of all determinations of the daily discharge within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily discharge, the determination shall be the arithmetic average of all instantaneous measurements taken during that month.
- 2. Daily maximum flow the highest total flow for any 24-hour period in a calendar month.
- 3. Daily average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements. When four samples are not available in a calendar month, the arithmetic average of the four most recent measurements or the arithmetic average (weighted by flow) of all values taken during the month shall be used as the daily average concentration.
- 4. Daily maximum concentration the maximum concentration measured on a single day, by composite sample unless otherwise specified elsewhere in this permit, within a period of one calendar month.
- 5. Grab sample an individual sample collected in less than 15 minutes.

OTHER REQUIREMENTS

The following other requirements are recommended for this discharge:

SAMPLING AND LABORATORY TESTING METHODS

- 1. All sample collection shall be conducted according to recommendations found in the latest edition of "Standard Methods for the Examination of Water and Wastewater" (prepared and published jointly by the American Public Health Association, the American Waterworks Association, and the Water Pollution Control Federation), or the Environmental Protection Agency manual entitled "Methods for Chemical Analysis of Water and Wastes" (1979), or the Environmental Protection Agency manual entitled "Biological Field and Laboratory Methods for Methods for Measuring the Ouality of Surface Waters and Effluents" (1973).
- 2. Sample containers, holding times, preservation methods and physical, chemical and microbiological and analyses of effluents shall meet the requirements specified in regulations published in the 40 Code of Federal Regulations Part 136 pursuant to the Federal Water Pollution Control Act, Chapter 304(g), and be conducted according to this federal regulation or the latest edition of "Standard Methods for the Examination of Water and Wastewater."
- 3. Flow measurements, equipment, installation, and procedures shall conform to those prescribed in the "Water Measurement Manual," United States Department of the Interior Bureau of

Gulfco Marine Maintenance Superfund Site Page 5 6/22/10

Reclamation, Washington, D.C., or methods that are equivalent as approved by the executive director.

- 4. Laboratories shall routinely use and document intra laboratory quality control practices as recommended in the latest edition of the Environmental Protection Agency manual entitled "Handbook for Analytical Quality Control in Water and Wastewater Laboratories." These practices will include the use of internal quality control check samples.
- 5. The sampling and laboratory facilities, data, and records of quality control are subject to periodic inspection by commission personnel. Should the procedures specified in this section not be suitable to any particular situation, nonstandard sampling and testing techniques may be employed in accordance with the procedures outlined in 30 TAC Chapter 319.12 (relating to Alternative Sampling and Laboratory Testing Methods).
- 6. The discharge shall not contain floating solids, visible oil or visible foam in other than trace amounts.
- 7. All laboratory tests performed to demonstrate compliance with the requirements of this authorization must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

ATTACHMENT

TABLE 1

COMPARISON OF MAXIMUM SAMPLE CONCENTRATIONS TO EFFLUENT LIMITATIONS

Parameter	Maximum Sample	Water-Quality Based Effluent Limitations ²		Technology-Based Effluent Limitations ²		
	Concentration ¹	Daily Average	Daily Maximum	Daily Average	Daily Maximum	
Benzene	0.015 mg/L	2.4 mg/L	5.1 mg/L	0.057 mg/L	0.134 mg/L	
Chloroform	0.095 mg/L	29.4 mg/L	62.2 mg/L	0.111 mg/L	0.325 mg/L	
1,2-dichloroethane	0.045 mg/L	1.6 mg/L	3.5 mg/L	0.18 mg/L	0.574 mg/L	
Trichloroethylene	0.018 mg/L	13.9 mg/L	29.5 mg/L	0.026 mg/L	0.069 mg/L	
Tetrachloroethylene	0.00627 J mg/L	7.3 mg/L	15.5 mg/L	0.052 mg/L	0.164 mg/L	
Vinyl Chloride	<0.000765 mg/L	9.5 mg/L	20.0 mg/L	0.097 mg/L	0.172 mg/L	
pH (Standard Units)	Not Measured	(Minimum 6.0)	(Maximum 9.0)	(Minimum 6.0)	(Maximum 9.0)	

Notes:

¹Maximum concentration in accumulated water samples collected from containment area. See Table 2 for complete analytical results for these samples. ²From Attachment 1 of June 22, 2010 TCEQ Memorandum.

APPENDIX C
WASTE DISPOSAL MANIFESTS

Liquid Wastes

TRUCK#91

DX3184243

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Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

TRUCK# 92

DX3184243

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TRICK#92 TRAILER # T-514

DX3184243

SC PPW 10/26/2010

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1		FORM HAZARDOUS ASTE MANIFEST	1. Generator ID N	9035023	9	2. Page 1 of 3.	(800) 48	33-3718	4. Manifest		150	941	NWI
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Ш	Gene	rator's Phone:	1400-5651	_		. 1		.				-	
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		ENERATOR'S/OFFEROR											
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DESIGNATED FACILITY	4	ardous Waste Report Mar	LOUISM THEMSEL	2.	aroous waste treatm	nent, disposal, and 3.	ecycling system:	s)	4.				
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		ignated Facility Owner or	Operator: Certificat	lon of receipt of hazardou	ıs materlais covered	d by the manifest ex	ept as noted in	tem 18a			Mon	h D=0	Vacr
11	7	YUNT	WW	es /			12W	W	Mc /	e e	Moni	1/9	10
PA	Form 8	700-22 (Rev. 3-05) Pr	evious editions a	ure obsolete.		DESIG	NATED F	ACILITY T	O DESTINA	TION S	TATE (I	F REQU	IRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Pie	ase	print or type. (Form designed for use on elite (12-pitch) typewriter.)					m Approved, OMB No	. 2050-003
		NIFORM MAZARDOUS TXP490350239	1	mergency Response Phone (800) 483-3718	3 0	001	115095	MWI
	5.	Generalogs Name and Melling Address	Gen	erator's Site Address (If differ	ent than mailing addres	38)		
Ш		906 Martin Ave	;	SAME	-			
		Freeport, TX 77541					, -	
		nerator's Phone: (713)400-5651	l	<u></u>		700	<u> </u>	727
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	0.1	Designated Facility Name and Site Address Clean Harbors Deer Park, LLC 2027 Independence Parkway South La Porte, 18 77671			U.S. EPA ID N		141378	
Ш		(291/930-2300			.			
П	Fa	cility's Phone:				,		
	£8	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (If pout))		19. Containers	11, Total Quantity	12. Unit Wt./Vol.	13. Waste Coo	les
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	15. Gen	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this marked and labeled/placarded, and are in all respects in proper condition for transport acc Exporter, I cartify that the contents of this consignment conform to the terms of the attached I cartify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identified in 40 CFR 262.27(a) (if I am a large entire transport of the statement identifie	cording to applicable in ad EPA Acknowledgm	nternational and national government of Consent.	emmental regulations.			nary
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臣	18c.	Signature of Alternate Facility (or Generator)					Month Day	Year
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DESIGNATED FACILITY	19.1	lazardous Waste Report Management Method Codes (i.e., codes for hazantous waste treatr	ment, disposal, and m	scycling systems)				
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H		ossignated Facility Owner or Operator: Cartification of receipt of hazardous materiats covered	d by the manifest exc	ent ac noted in Item 18a	N			
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EFA	Form	n 8700-22 (Rev. 3-05) Previous editions are obsolete.	DESIG	NATED FACILITY	TO DESTINA	TION S	TATE (IF REQ	UIRED)
		Clean Harbers has the appropriate permits for and will acce	ept the waste t	he generator is shi	soins.		-, 	

TRUCK # 92 332
TRAILER # T. 332
DX3184243

SCPPW 10/26/2010

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11		IFORM HAZARDOUS VASTE MANIFEST	1. Generator ID Number	350239	2. Page 1 of 3. Eq	BOO) 483	37 18	4. Manifest	Tracking N	<u> </u>	97	MW
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П	Facil	ity's Phona:	(281) 930-23	00			<u> </u>					
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8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clear Harbors has the appropriate permits for and will accept the waste the generator is shipping.

TROCK#92 TRAVER# T346

DX3184243

SCPPW 10/26/2010

Form Approved, OMB No. 2050-0039

Ple	ase pri	nt or type. (Form desig	ned for use on	elite (12-pitch)	typewriter.)			- Dhana	4. Manifest		n Approved	. OMB No.	2050-003
. ↑	UNIF	ORM HAZARDOUS ASTE MANIFEST	1. Constraint ID	90350	239	2. Page 1 of 3. E	(800) 483	3718			<u> 150</u>	1880	MWI
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	20. Des Printed/	gnated Facility Owner or Typed Name	Operator: Certific	1.0	hazardous materials covere	ed by the manifest exce Signature	pt as noted in Item	18a			Mon	h Day	Year
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SC PPW 10/26/2010

TRUCK # 92 TRAILER# T32

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%3184443 SC PPW 10/26/2010

TRUCK#92 TRAILER # T32

Form Approved, OMB No. 2050-0039 Please print or type. (form designed for use on elite (12-pitch) typewriter.) UNIFORM HAZARDOUS 1. Generator ID Number OOO1 3. Emergency Response Phone 2. Page 1 of 15079<u>MW</u>I TXP490350239 (800) 483-3718 WASTE MANIFEST Generator's Site Address (if different than mailing address) enerators Name and Mailing Address 906 Marlin Ave Freenort, TX 77541 SAME 77121400-5651 U.S. EPA ID Number 4000000723 8. Designated Facility Name and Site Address
Clean Harbors Deer Park, LLC
2027 Independence Parkway South TXD055141378 La Porte, TX 77571 (281) 930-2300 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 10. Containers 11. Total 13. Waste Codes Wt.Not. Quantily Тура EST. RO. UN1993. WASTE FLAMMABLE LIQUIDS. N.O.S. D010 D018 D001 (PETROLEUM OIL), 3, PG III, (BENZENE, TOC > 10%) 5000 FNE4219H 14. Special Handillon instructions and Additional Information

1. CTT 14 90 9B ERG > CH4KBGBB Lewword IN GENERATOR S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary marked and inheleled/placarded, and are in all respects in proper condition for transport according to applicable international and Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (ff am a small quantity generator) is true. Signature 12 0/ Export from U.S Part of entry/exit: Date leaving U.S.: e (for exports only): owledgment of Receipt of Materials TR ANSPORTER 01/10 Full Rejection Partial Rejection U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) H040 20 Designated Facility Chyler or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

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SC PPW 10/26/2010

TRUCK # 42 TRANCE # 1332

Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 2. Page 1 of 3, Emergency Response Phone 1. Generator ID Number TXP490350239 UNIFORM HAZARDOUS 000115103MWI (800) 483-3718 WASTE MANJEST Generator's Site Address (if different than mailing address) 6. Generator's Name and Mailing Address 906 Madin Ave SAME (712)400-5651 Esource esignated Fadity Name and Site Address Clean Harbors Deer Park, LLC 2027 Independence Parkway South U.S. EPA ID Number TXD055141378 La Porte TX 77571 (281) 930-2300 10, Containers 9b. U.S. DDT Description (including Proper Shipping Name, Hazard Class, iD Number, 11. Total 12. Unit 13. Waste Codes and Packling Group (if any)) Wt.//ol. No. Туре Quantity RO, UN1993. WASTE FLAMMABLE LIQUIDS, N.O.S., (WATER). D001 D018 D022 3. PG III. (BENZENE) D028 FNF5119H 14. Special Handling Instructions and Additional Information
1 - CH440890B ERG\$128 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked an illiabeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I carried that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am mail quantity generator) is true. Month: Signature Day Generator's/Offerbr's Printed(Typed Name Export from U.S. Port of entry/exil ure (for exports only): sporter Attonowledgment of Receipt of Materials 10 18a. Discrepancy Indication Space Турв Residue Full Rejection Partial Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number 18c. Signature of Alternale Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems) H040 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)
Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

DX3184443 DX3199345 TRUCK# 92 DX3184444 SCPPW 10/26/2010 TRAILER #T 514

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SCPPW 10/26/2010 TRACER #

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 000115087MWI TXP490350239 (800) 483-3718 WASTE MANIFEST Generator's Name and Mailing Address Generator's Site Address (If different then mailing address) 906 Marlin Ave Freeport, TX 77541 SAME (713) 400-5681 1 Сотралу Name U.S. EPA ID Number LR000007237 ESWINCES 8. Designated Facility Name and Sile Address Clean Harbors Deer Park, LLC TXD055141378 2027 Independence Parkway South La Porte. TX 77571 (281) 930-2300 Facility's Phone: 9b. U.S. DOT Description (Including Proper Shipping Name, Hezard Class, ID Number, 11. Total 12. Unli and Packing Group (if any)) Quantity No. Туре RO. UN1993. WASTE FLAMMABLE LIQUIDS. N.O.S. D001 -B010 D018 (PETROLEUM OIL), 3, PG III, (BENZENE, TOC> 10%) 00 2013 FNF4219H OFFC 14. Special Handling Instructions and Additional Information

1. CHADOUSE ERG 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placanted, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 282.27(a) (if I am a large quantity generator) or (b) (if I am a Signature Export from Import to U.S. Transporter algnature (for exports only): e leaving U.S sporter Acknowledgment of Receipt of Materials 18. Discrepancy Туре 18a. Discrepancy Indication Space Residue Full Rejection Partial Rejection Manifest Reference Number: 18b, Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Day Month . 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) H040 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name 1000 FC EPA Form 8700-22 (Rev. 3-05) DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED) Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

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	E)	xporter, I certify that the co	ontents of this consignment mization statement identifi	nt conform to the terr	ns of the attached	I EPA Acknowledgm	ent of Consent.		·			•	
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NON-HAZARDOUS WASTE MANIFEST

Customer Ass. No.	
Customer Acc. No.	_
Ticket No.	_

GENERATOR

WMI 733174

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LDL Coastal LP (Gulfco)	•	_ Generating Location	906 Marlin	Avenue	
Address <u>c/o Columbia Envirorana</u>	etal Services. Inc.		Freeport, T	C 7754	
13222 Resveston Rd, Hou		State Gen, ID No	TXP490350	,	
Phone No. 713 868 4845		Gen. US EPA ID No.	300012		
WASTE CODE PROFIL NUMBER	WAST	E DESCRIPTION	,	QUANTITY	UNIT
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ach waste has been property described, Clint LECGINEN		M-17-10 (Det Los	SIGNATURE	
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ransporter's Name Action of Address 5001 UNSECUTOR TX hereby certify that the above listed mater	TRAN Resources 0000 77507	Phone No. 26 Driver's name Acros Vehicle No. 92 site listed above and delivered with	to Estino 24	1/3/8 Sn Ne dispose facility i.g.	
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TRUCK#92

SCPPW 10/26/2010 TRAILER # T332

Please print or type. (Form designed for use on elite (12-pitch) typewriter. Form Approved, OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number TXP490350239 4 Manifest Trecking Number 000115083 MWI (800) 483-3718 Generator dame and Maring Address 906 Martin Ave Freeport, TX 77541 Generator's Site Address (if different than mailing address) SAME (713)400-5651 isporter 1 Company Name SOURCES 8. Designated Facility Name and Site Addr Clean Harbors Deer Park, LLC
2027 Independence Parkway South
La Porte, TX 77571.
Facility Phone: (281) 930-2300 TXD055141378 8b. U.S. OOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (If any)) 10. Containers 11. Total 12. Unit 13. Waste Codes HM No Type Wt./Val. RO UN1993. WASTE FLAMMABLE LIQUIDS. N.O.S. D001 D010 D018 GENERATOR (PETROLEUM OIL), 3, PG III, (BENZENE, TOC > 10%) D019 FNF42L9H 14. Special Handling instructions and Additional Information 1. CH440809B ERG#128 33Z EX GENERATOR'S DEFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placerded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. aste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small graintity generator) is true Export from U.S. __ Import to U.S. Port d entry/exit: aving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials 29/10 18. Discrepancy 18a. Discrepancy Indication Space Туре Residue Quantity Fuil Rejection Manifest Reference Number: U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (I.e., codes for hezardous waste treatment, disposal, and recycling systems) H040 20. Designated Facility Chaer or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO D. Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

- DYSLOHES

FORM Approved, OMB No. 2050-0039

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Solid Wastes

SCPPW 10/26/2010 Form Approved, OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 0001 (800) 483-3718 TXP490350239 WASTE MANIFEST Generator's Name and Mailing Address
LDL Coastal LP Generator's Site Address (If different than mailing address) 906 Marlin Ave SAME Freeport, TX 77541 (713) 400-5651 6. Transporter 1 Company Name ction Resources Glean Harbors Environmental Services Inc Name and Site Address U.S. EPA ID Number Clean Harbors Deer Park, LLC 2027 Independence Parkway South TXD055141378 La Porte. TX 77571 (281) 930-2300 Facility's Phone: 9b, U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 10. Containers 11 Total 12. Unit 13. Waste Codes WL/Vol. Quantity нм No. Турв NA3077. HAZARDOUS WASTE, SOLID, N.O.S., (SOIL & RUST D018 D022 D028 SCALE), 9, PG III, (BENZENE, CHLOROFORM) DO39 FNF83L9H GENERAL o e HOFFC 14. Special Handling instructions and Additional Information

1 _CH440902B ERG ERG#171 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement Identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if i am a small quantity generator) is true. 640 _ Export from U Transporter signature (for exports only): Date teaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Month 18. Diagrepancy 18a. Discrepancy Indication Space Туре Quantity Residue Full Rejection Partial Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous weste treatment, disposal, and recycling systems) H040 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED) Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

TRUCK#92 TRAILER# 747

SCPPW 10/26/2010 DX3184513 Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) UNIFORM HAZARDOUS 1. Generator ID Number 3. Emergency Response Phone cking Num 2. Page 1 of 0001TXP490350239 1 (800) 483-3718 WASTE MANIFEST Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) LDL Coastal LP 906 Marlin Ave SAME Freeport, TX 77541 Generator's Phone: (713) 400-5651 . EPA ID Number AL ROOOOO 723 Transporter 1 Company Name MAD033322250 Glean Harbors Environment enon 7. Transporter 2 Company Name Clean Harbors Deer Park, LLC TXD055141378 2027 Independence Parkway South La Porte. TX 77571 Facility's Phone: (281) 930-2300 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12, Unit 13. Waste Codes НМ and Packing Group (If any)) Wt./Vol. No. Type NA3077. HAZARDOUS WASTE. SOLID. N.O.S.. (SOIL & RUST D018 D022 D028 GENERATOR SCALE), 9, PG III, (BENZENE, CHLOROFORM) D039 FNF8319H ES OFFC 14. Special Handling Instructions and Additional information 1.CH440902B ERG#171 BOX # NZ348 ( GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/plecarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Cohsent. fiell quentity generator) is true. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a ror's Printed/Typed Nan Export from U.S. Port of entry/exit: import to U.S. Date leaving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Malarials sporter 1 Printed/Typed Name Month Year 18 Discrepancy 18a. Discrepancy Indication Space Туре Quantity Partial Rejection Residue Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone 18c. Signature of Alternate Facility (or Generator) Day 19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems) H040 20. Designated Facility. Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Na EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Terr#92 DX3242242 TRAILER # 1747 <del>DX3184513</del> SCPPW 10/26/2010 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 000115066MWI TXP490350239 (800) 483-3718 WASTE MANIFEST enerator's Name and Mailing Address Generator's Site Address (if different than mailing address) 906 Martin Ave Freeport, TX 77541 SAME Generator's Phone: (713) 400-5651 6. Transporter 1 Company Name Clean Harbors Environmental Services in 6 8. Designated Facility Name and Site Address
Clean Harbors Deer Park, LLC U.S. EPA ID Number TXD055141378 2027 Independence Parkway South La Porte. 1X 77571 (281) 930-2300 Facility's Phone: 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, 10 Contelners 11. Total 12. Unit 9a. 13. Waste Codes and Packing Group (If any)) WL/Vol. Nο Туре Quantity NA3077. HAZARDOUS WASTE. SOLID. N.O.S., (SOIL & RUST D018 D022 D029 SCALE), 9, PG III, (BENZENE, CHLOROFORM) an D039 FNF8319H GENER CF. 4. Special Handling Instructions and Additional Information 1_CH440902B ERG\$171 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I cartify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Day V2 V5 Export from U.S. Import to U.S. Post of entry/exit: Date leaving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Mate Transporter 1 Printed/Typed Name 15/10 45713 18s. Discrepancy Indication Space Type Full Rejection Residue Ouantily Partial Relection Manifest Reference Number: U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

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DX3184513 SCPPW 10/26/2010 Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-oltch) typewriter.) UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of | 3. Emergency Response Phone 000115067 MWI TXP490350239 (800) 483-3718 WASTE MANIFEST Generator's Name and Malling Address Generator's Site Address (If different than mailing address) 906 Martin Ave SAME Freeport, TX 77541 Generator's Phone: (713) 400-5651 6. Transporter 1 Company Name -Glean Harbors Environmental Services Inc 7. Transporter 2 Company Name I.S. FPA ID Numbe 8. Designated Facility Name and Site Add Clean Harbors Deer Park, LLC 2027 Independence Parkway South TXD055141378 La Porte. TX 77871 (281) 930-2300 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 13. Waste Codes and Packing Group (if any)) Quantity WL/Vol. Туре NA3077. HAZARDOUS WASTE, SOLID. N.O.S., (SOIL & RUST D018 D022 D029 SCALE), 9, PG III, (BENZENE, CHLOROFORM) D039 FNF8319H GENERA FS OFFC 14. Special Handling Instructions and Additional Information 1.CH440902B ERG#171 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placerded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. quantity generator) is true. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a one ___ import to U.S. Export from U.S. baving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials sporter 1 Printed Typed Name 12 15/10 , 20 KSPINO ZA CL 18a, Discrepancy Indication Space Туре Residue Full Rejection Quantity Partial Rejection Menifest Reference Number: 18b, Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Codes (I.e., codes for hazardous waste treatment, disposal, and recycling systems) H040

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED) EPA Form/8700-22 (Rev. 3-05) Previous editions are declete. Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

20. Designated Facility Owner or Operator. Certification of regeipt of hazardous materials covered by the manifest except as noted in Item 18a

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Clean Harbers has the appropriate permits for and will accept the waste the generator is shipping.

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$\parallel \parallel$	Ī	5. Generator's No.	ne and Mailing Address	Generator's Site Address (If different th	an mailing address) .		1
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Н		2027 In	dependence Parkway South LTX 77571	•.	TXD055	1713/	0
П	Ŀ	Facility's Phone:	(281) 930-2300		1		·
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A	K		IN 1 502 WASTE FLAMMARI E LIQUIDS, N.O.S.	No. Type	Quantity Wt_/vol.	12077	DAGO_
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RATO	Ł	NA	3077 HARADDOUS WASTE BOLIDNO	S OUT CAN	15 9	<del>-0019</del> FN	F4219H
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П		1.61171	•	7026			
$\ $	l	35	# 2536 RB				
П	1	5. GENERATO	R'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment a	re fully and accurately described above	by the proper shipping name.	, and are classified	packaged,
П		marked and	abeled/placarded, and are in all respects in proper condition for transport according to applicately that the contents of this consignment conform to the terms of the attached EPA Acknowle	able international and national governme			
П	L	I certify that	ne waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity gene	rator) or (b) am a small quantity gen	erator) is true.		
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≥	18	b. Alternate Facil	ity (or Generator)	Manifest Reference Number:	U.S. EPA ID Number		
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0FA	_	acility's Phone:	F-III. I- G	·			
ATE	18	oc. Signature of A	ternate Facility (or Generator)	•		Month	Day Year
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		. Designated Fac	When or Operator. Certification of receipt of hazardous materials covered by the maryfest	<del>/</del>		Month	Day Year
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		Clean H	arbors has the appropriate permits for and will accept the was	ste the generator is shippi	is.		•

ease print or type.	Form designed for use on elite (12-pitch) typewriter.)	X3242272	SCPPW 10/	26/2010	Form Approved. OM	i B No. 2050-0
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Generator's Phon	(713)400-5651					
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j 2027 in	rbors Deer Park, LLC ependence Parkway South			TXDO	514137	В
La Porte Facility's Phone:	TX 77571 (281) 930-2300			•		
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	'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents					
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Generator of Office	e-Printed/Typed Name	Signate			Month	Day Yes
16. International S	propents Import to U.S.	Export from U.S.	Port of entry/exit:		10	2010
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П	ı	La Porte. TX 77	571								-	•	j
П	Facili	ity's Phone:	(281) 930-23			<del> </del>			<del>,                                    </del>	<del></del>			
	9a. HM	9b. U.S. DOT Descript and Packing Group (if	tion (including Proper Ship any))	ping Name, Hazard C	lass, ID Number,		10, Contain	Type	11. Total Quantity	12. Unit WL/Vol.	13.	Waste Code	9
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Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

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Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Manifest Tracking Nur UNIFORM HAZARDOUS 1. Comparty 19 0 3 5 0 2 3 9 (800) 483-3718 000107508MW WASTE MANIFEST 5. General Grand Address Generator's Site Address (if different than mailing address) 906 Martin Ave SAME Freepart, TX 77541 (713) 400-5651 samei Clean Harbors Deer Park, LLC TXD055141378 2027 Independence Parkway South La Porte, TX 77571 (281) 930-2300 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Wasie Codes and Packing Group (if any)) Quantity WL/Vol. HM No. Туре NA3077. HAZARDOUS WASTE, SOLID, N.O.S., (SOIL & RUST D022 D028 D018 GENERATOR SCALE), 9, PG III, (BENZENE, CHLOROFORM) FNF8319H D039 14. Special Handling Instructions and Additional Information 1 _ CH440902B ERG# ERG#171 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and tabeled/placanded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I are the Primary Exporter, I certify that the contents of this consignment conform to the lenns of the attached EPA Acknowledgment of Consi identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (ii in a small quantity generator) is true. I certify that the waste minimization statemen ror's Printed/Typed Na OHL Export from M.S of entry/exit: leaving U.S.: Transporter signatura (for exports only): 17. Transporter Acknowledgment of Receipt of Materials 137, NO 2 18a. Discrepancy Indication Space Quantity Туре Partial Rejection Full Rejection . _ Residue Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone 18c. Signature of Alternate Facility (or Generator) Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) H040 20. Designated Pacific Owner or Operator; Certification of receipt of hazardous materials covered by the manifest except as noted in term 18a EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED) Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping

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Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

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14. Special Handling Instruction 1_CH4409021	tions and Additional Informs	rion G\$171	<del></del>		<u> </u>	<u> </u>	·	<u>!1</u>		1	
15. GENERATOR'S/OFFE	ROR'S CERTIFICATION:	223 hereby declare tha	7 the contents of this o	consignment are fully	and accurately de	scribed above	by the proper sh	lpping name,	and are clas	siñed, packa	ged,
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Clean Harbers has the appropriate permits for and will accept the waste the generator is shipping.

DX 327409/ DN6342272 SCPPW 10/26/2010

Form Approved, OMB No. 2050-0039

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Approved. OMB No. 2050-0039

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EPA Form 8700-22 (Rev. 205) Previous elitions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Itam 16s

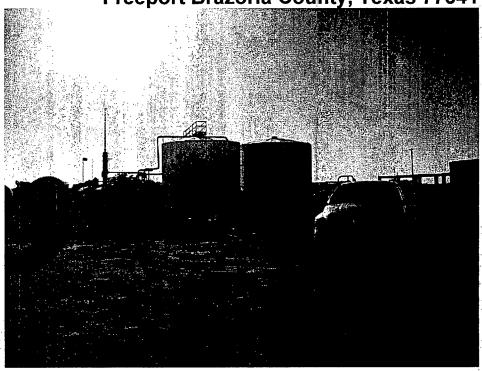
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### APPENDIX D

ASBESTOS INSPECTION REPORT AND RELATED INFORMATION

# **Asbestos Inspection**

Tank Farm 906 Marlin Avenue Freeport Brazoria County, Texas 77541



Report 20110073 / November 19, 2010

Mr. Tony Maag Columbia Environmental Services, Inc. 13222 Reeveston Road Houston, Texas 77039 713-868-4845 ext 5651 email tmaag@columbiaenviro.com

RE: 20110073^s Dear Mr. Maag:

Phase Engineering, Inc. (Texas Department of State Health Services [TDSHS] license # 10-0224) has conducted an asbestos inspection for demolition purposes of the suspect materials in the tank farm area located at 606 Marlin Avenue, Freeport, Brazoria County, Texas 77541.

- Date of Inspection: November 16, 2010.
- Location Contact: Mr. Tony Maag, Telephone 281-740-6607.
- Site maps were not provided by client.
- Known areas not available for access: None (0).
- Person(s) Conducting Inspection & Texas Department of State Health Services (TDSHS)
   License Number: Neal Barnes TDSHS # 105626.
- Total number of samples taken: Seven (7).
- Number of samples analyzed: Seven (7).
- Number of samples containing more than 1% asbestos: None (0).
- Number of samples containing asbestos but less than 1%: One (1).
- Laboratories Conducting Analysis and Method: Micro Analytical Services. (TDSHS License number # 30-0304), Methods Interim 40 CFR Part 763 Appendix E to Subpart E Environmental Protection Agency (EPA), Improved EPA 600/R-93/116. 94

The potential Asbestos Containing Building Material (ACBM) samples collected (potential ACBMs that tested positive for asbestos or are assumed positive are shaded in yellow), their descriptions, and their locations are summarized in the following table:

Sample Number	Type / Condition	Well# / Location	Friable/Percent Asbestos
1-1-1-1	Loose Insulation – White Fibrous Insulation / Damaged	Northeast Metal Flanked Catch Area	Yes / None Detected
2-2-G-1	Metal Gasket Material – Rusted Non-fibrous Metal / Damaged	Southeast Tank in Northeast Berm Area	No / None Detected
3-3-G-1	Gasket Material – Black Fibrous Gasket + Beige Paint / Good	Piping in Northeast Berm Area	No / None Detected
4-4-H-1	Hose Material – Black Fibrous Hose / Good	Northeast Berm Area	No / None Detected
5-5-G-1	Gasket Material – Gray Fibrous Transite / Good	Southeast AST In Southeast Berm Area	Yes / 4% Chrysotile
6-6-G-1	Gasket Material – Green Fibrous Gasket Material / Good	Third AST from the Northwest End of Southeast Berm Area	Yes / None Detected
7-7-I-1	Tank Insulation – Dark Non-fibrous Mastic / Damaged	Third AST from the Northwest End of Southeast Berm Area	Yes / None Detected

See lab results and sample photographs attached to this letter. Under EPA 600/R-93/116; Interim 40 CFR Part 763 Appendix E to Subpart E it is not necessary to separate layers for point counting if the individual components are proportioned equally.

The inspection performed by Phase Engineering, Inc. was a suspect asbestos containing materials (ACMs) inspection for demolition purposes of the suspect materials in the tank farm area located at 606 Marlin Avenue, Freeport, Brazoria County, Texas 77541 following the National Emission Standards for Hazardous Air Pollutants (Title 40 CFR, Part 61). The inspector was provided no historical documentation of original construction or renovations of the buildings. No previous asbestos inspection reports or abatement reports were provided to the inspector. **This inspection is not intended to comply with AHERA 40 CFR 763.** All ACMs found and their homogeneous areas are assumed to be asbestos containing until a full asbestos inspection has been conducted.

#### Site Specific Details:

- The sampling protocol followed for this inspection was intended for demolition purposes of the suspect materials in the tank farm area located at 606 Marlin Avenue, Freeport, Brazoria County, Texas 77541.
- The specific square footage of each homogeneous suspect ACM area is not included as a part of this limited asbestos inspection.

Although Phase Engineering, Inc. uses trained and licensed inspectors in attempting to locate and identify materials potentially containing asbestos, Phase Engineering, Inc. does not warrant that all materials containing asbestos have been identified. It is possible that there are materials containing asbestos that were not found because they were not visible or accessible to the inspector, or for various other reasons, were not sampled. Moreover, it is possible that the actual quantities of materials will differ from the quantities of materials estimated during this survey.

Samples taken are categorized as either friable or non-friable. The term friable refers to the ease with which the material can be crumbled or made to produce dust using hand pressure alone. For example, ceiling tiles are generally considered friable, while floor tiles are generally considered non friable. Sheet rock wall materials are considered friable when damaged and non-friable when intact. The condition of the materials sampled is also categorized as good, damaged or significantly damaged.

A material is considered to be an ACM if it is composed of more than 1% asbestiform components.

### Findings:

The results found during the asbestos inspection indicated one suspect ACMs sampled contained asbestos above 1%. The materials determined or assumed to be ACBMs are summarized in the following table:

<ul> <li>If all higher in an expension of the entire in the little in a higher than</li> </ul>	【1、11、1、11的 10、11、11、11、11、11、11、11、11、11、11、11、11、1	FRIABLE / NON-FRIABLE - CONDITION
Gray Valve Gasket	Southeast AST In Southeast Berm Area an All Gray Gaskets	Friable – Good

No other suspect ACMs analyzed were found to contain asbestos of the suspect materials in the tank farm area located at 606 Marlin Avenue, Freeport, Brazoria County, Texas 77541

#### Recommendations:

It is recommended that any ACMs or assumed ACMs, that will be disturbed, be removed by a licensed abatement contractor and if applicable, a licensed asbestos consultant. The TDSHS Demolition/Renovation Notification form can be used to meet the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Subpart M (NESHAP). These regulations require that written notification be submitted before beginning renovation projects that include the disturbance of any asbestos-containing material in a facility. A notification form is required before the demolition of a building or facility, even when no asbestos is present.

This form must be used to fulfill these requirements. Please call either 512-834-6610 or 1-800-572-5548 (within Texas), or your local regional office for assistance in completing this form.

During renovation or demolition activities, care should be exercised in dealing with all materials even those shown to be non-asbestos containing (this would include materials technically considered as non-asbestos containing because they are below the one percent limit). If these non-asbestos materials are to be disturbed work practices should be used that will limit exposure to dust and debris. Contractors performing this work should conform to OSHA regulations outlined in 29 CFR 1926.55 (exposure limits can be found in 29 CFR 1910.1000 Table Z-3).

In the event of future renovation and or demolition, further sampling may be required of suspect asbestos containing materials prior to these activities to satisfy the Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), and Texas Department of State Health Services (TDSHS) rules and regulations at that time. If suspect asbestos containing building materials (not noted during this inspection) should be found during any renovation or demolition, these materials should be sampled for asbestos and handled appropriately following all local, state and federal rules and regulations at that time.

If improper renovation or demolition occurs the owner is subject to a \$10,000 a day fine, enforced by the Texas Department of State Health Services (TDSHS).

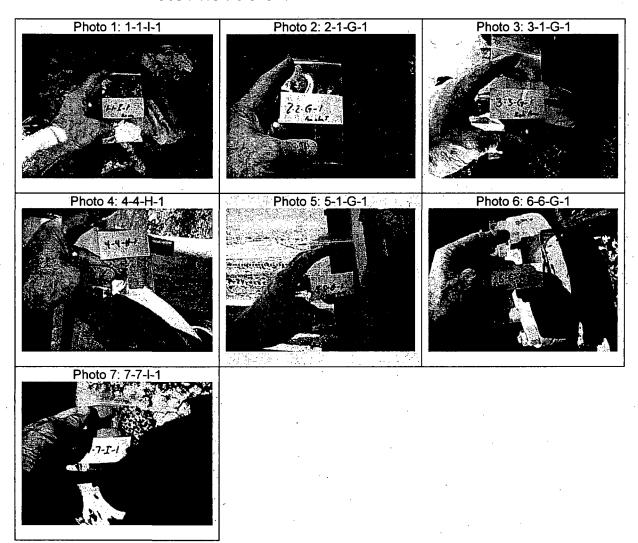
Thank you for the opportunity to work with you on your environmental needs. If you have any questions, please call me at (713) 476-9844 or 1-800-419-8881.

Sincerely,

Neal Barnes, P.G.

Asbestos Individual Consultant TDSHS License # 105626

## ASBESTOS SAMPLE PHOTOGRAPHS



# ASBESTOS LABORATORY RESULTS



Micro Analytical Services, Inc. 11301 Richmond Ave. Ste. K100B+Houston+Tx 77082+Phone(281)497-4500+Fax(281)497-4517

NVLAP Lab No. 200618-0

TDSHS License No. 30-0304

### PLM BULK ASBESTOS ANALYSIS REPORT

**CLIENT:** 

Phase Engineering, Inc.

MAS JOB NO.: 8040-00

PROJECT:

906 Marlin

REPORT DATE: November 18, 2010

IDENTIFICATION: Asbestos, Bulk Sample Analysis, Quantitation by Visual Area Estimation

TEST METHOD: Polarized Light Microscopy with Dispersion Staining

EPA Test Method 600/M4-82-020;

Interim (40CFR Part 763 Appendix E to Subpart E)

#### STATEMENT OF LABORATORY ACCREDITATION

These samples were analyzed at Micro Analytical Services, Inc. in the Asbestos Laboratory at 11301 Richmond Ave. Suite K100B, Houston, Texas, 77082. The Laboratory holds accreditation from the National Institute of Standards and Technology under the National Voluntary Laboratory Accreditation Program (NVLAP). This laboratory is also licensed and authorized to perform as an Asbestos Laboratory in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/M4-82-020 or the U.S. Environmental Protection Agency method, under AHERA, for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Asbestos Bulk Laboratory at Micro Analytical Services, Inc.

Analyst: Tony T. Dang

Approved Signatory:





Micro Analytical Services, Inc. 11301 Richmond Ave. Ste. K100B&Houston&Texas 77082&Phone(281) 497-4500&Fax(281) 497-4517

### Polarized Light Microscopy Analysis

Phase Engineering, Inc. 335 West 21st Street Houston, Texas 77008

MAS Project #: 8040-00 Date Received: 11/17/2010 Date Analyzed: 11/18/2010

Project Name: 906 Marlin

Field ID/	Layer #	Sample Description	Asbestos	Asbestos	Non-Asbestos
Lab ID		•	Detected?	Constituents	Constituents
			(Yes/No)	(%)	(%)
1-1-I-1	1	White fibrous insulation	No		100% fibrous Glass
MAS210374					
2-2-G-1	1	Rusted non-fibrous metal	No		100% Metal
MAS210375					
3-3-G-1	1	Black fibrous gasket with	No		10% Synthetic
MAS210376		beige paint			90% Rubber
4-4-H-1	1	Black fibrous hose	No		10% Synthetic
MAS210377					30% Cellulose
					60% Rubber
5-5-G-1	1	Grey fibrous transite	Yes	25% Chrysotile	75% Other
MAS210378		• •			
6-6-G-1	1	Green fibrous gasket	No		40% Cellulose
MAS210379					60% Other
7-7-I-1	1	Dark non-fibrous mastic	No		100% Mastic
MAS210380				• • •	

Samples have been analyzed by the EPA Interim Method 600/M4-82-020. The test results herein relate only to the sample submitted and analyzed. This report may be only reproduced in full with the approval of the Bulk Asbestos Laboratory of Micro Analytical Services (MAS), Inc. The above percentages are visual estimates of area percent. MAS is not responsible for any errors resulting from improper or incorrect sampling or shipping procedures. These samples will be retained for a period of 30 days. Accreditation by NVLAP in no way constitutes or implies product certification, approval, or endorsement by NIST. Some materials, especially floor tiles, contain asbestos fibers too thin to be detected by this method. NVLAP Lab Code: 2000618 TDSHS License: 30-0341

Analyzed by: Tony Dang

Approved NVLAP Signatory: Tony Dang Page 1 of 1

### **STATEMENT OF QUALIFICATIONS**



# TEXAS DEPARTMENT OF STATE HEALTH SERVICES

### PHASE ENGINEERING INC

is certified to perform as a

### **Asbestos Consultant Agency**

in the State of Texas within the purview of Texas Occupations Code, chapter 1954, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

DAVID LAKEY, M.D. COMMISSIONER OF HEALTH

I wish Jake 10

License Number: 100224

Expiration Date: <u>12/26/2011</u>

Control Number: 96277

(Void After Expiration Date)

**VOID IF ALTERED** 

**NON-TRANSFERABLE** 



### TEXAS DEPARTMENT OF STATE HEALTH SERVICES

DAVID L. LAKEY, M.D. COMMISSIONER

1100 West 49th Street • Austin, Texas 78756 P.O. Box 149347 • Austin, Texas 78714-9347 1-888-963-7111 • www.dshs.state.ix.us TTY: 1-800-735-2989

FEBRUARY 17, 2009

NEAL E BARNES PHASE ENGINEERING INC 335 WEST 21ST STREET HOUSTON, TX 77008

This is to verify that the individual shown below holds a valid credential to practice as an ASBESTOS INDIVIDUAL CONSULTANT in the State of Texas.

NAME: NEAL E BARNES

LICENSE TYPE: ASBESTOS INDIVIDUAL CONSULTANT

LICENSE NUMBER: 105626 CONTROL NUMBER: 95724 EXPIRATION DATE: 2/10/2011

If you have any questions, please contact us by phone at 512-834-6600, by fax at 512/834-6614. We encourage you to visit our website at http://www.dshs.state.tx.us for frequently updated information, including rules, laws, publications and forms. You may also verify a credential through this website.

Environmental & Sanitation Licensing Group



# TEXAS DEPARTMENT OF STATE HEALTH SERVICES

### MICRO ANALYTICAL SERVICES INC

is certified to perform as a

# Asbestos Laboratory PCM, PLM

in the State of Texas within the purview of Texas Occupations Code, chapter 1954, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

DAVID LAKEY, M.D. COMMISSIONER OF HEALTH

Juid The MD

License Number: 300341

Expiration Date: 1/25/2012

Control Number: 95623

(Void After Expiration Date)

**VOID IF ALTERED** 

NON-TRANSFERABLE



# National Voluntary Laboratory Accreditation Program



### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Micro Analytical Services, Inc. 11301 Richmond Ave., Suite K100B Houston, TX 77082

Mr. Tony Dang

Phone: 281-497-4500 Fax: 281-497-4517

E-Mail: tdang@mas-lab.com URL: http://www.mas-lab.com

### **BULK ASBESTOS FIBER ANALYSIS (PLM)**

**NVLAP LAB CODE 200618-0** 

NVLAP Code Designation / Description

18/A01 EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation

Samples

United States Department of Commerce National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2005

**NVLAP LAB CODE: 200618-0** 

Micro Analytical Services, Inc.

Houston, TX

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

### **BULK ASBESTOS FIBER ANALYSIS**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2010-01-01 through 2010-12-31

Effective dates



For the National Institute of Standards and Technology

### LETTER OF ENGAGEMENT

### Phase Engineering, Inc.

Environmental Consultants

November 12, 2010

Mr. Tony Maag Columbia Environmental Services, Inc. 13222 Reeveston Road Houston, Texas 77039 713-868-4845 ext 5651 email tmaag@columbiaenviro.com

Dear Mr. Maag:

We are pleased to make the following proposal for Professional Environmental Services for the tank farm area in the property located at 906 Marlin Avenue, Freeport, Brazoria County, Texas 77541:

Perform an asbestos inspection to identify suspect building materials that contain asbestos by a Texas Department of Health licensed inspector for renovation purposes. Exterior and roof materials will not be sampled as part of this inspection. By signing this agreement you agree that Phase Engineering, Inc. is not liable for any damage to these areas inspected. A minimum of three samples, of each suspect asbestos containing homogeneous building material will be taken, to satisfy the Texas Department of Health requirements for renovation/demolition of asbestos building materials. A minimum of one sample only may be required for exterior suspect asbestos containing materials sampled, if applicable. The samples will then be taken to the lab and analyzed for asbestos. It is recommended that the samples that are over one percent asbestos and under 5 percent asbestos should be point counted at the laboratory to confirm the percentage of asbestos in the building material. This analysis is more expensive than the traditional analysis (Polarized Light Microscopy) and is used when asbestos is near the one percent detection amounts. Transmission Electron Microscopy (TEM) is considered one of the most accurate methods for laboratory analysis for suspect asbestos containing building materials, however, this method is more costly and currently it is only recommended under federal regulations. Although Phase Engineering, Inc. uses trained and licensed inspectors in attempting to locate and identify materials potentially containing asbestos; Phase Engineering, Inc. does not warrant that all materials containing asbestos will be identified. It is possible that there are materials containing asbestos that were not found because they were not visible or accessible to the inspector, or for various other reasons, were not sampled.

Quoted price for inspection with sampling: \$500.00 plus \$15.00 per sample analyzed. The amount of samples taken will depend on how many will be required, at a minimum, to satisfy the regulations for renovation/demolition.

Point count analysis: \$50.00 per sample analyzed, when applicable and pre approved.

Rush fees are \$750.00 for inspection plus \$30.00 per sample analyzed.

- Includes two copies of final report with findings, conclusions and recommendations.
   Additional Copies @ \$50.00 each.
- Delivery: Verbal as soon as results are delivered from the laboratory. Final Report approximately 10-12 working days from receipt of laboratory results. Delivery charges may apply, not to exceed \$30.00 per delivery, unless client arranges pickup at their own expense.
- Terms: Net due upon receipt of final report.
- Insurance coverage: \$2,000,000 Professional and General Liability.

If the above terms and conditions are acceptable, please sign and return (fax 713 476-9797) a copy of this letter to serve as a letter of engagement and notification to proceed. The following information is needed to begin the project:

- Access to all areas to be sampled and Contact Name & Telephone Number and Current Owner Name.
- Floor plans sent to our office prior to inspection. Inspection will be conducted after receipt of work plan and drawings. If project is a complete demolition these items may not be required if not available. If floor plans are not provided a \$50.00 drawing fee may apply.
- 3. Entity for which the report and invoice will be addressed and delivery instructions. If no written information is provided to Phase engineering, Inc. regarding these items, the reports will be issued, billed and delivered to above.

Thank you for the opportunity to work with you on your environmental needs. If you have any questions, please call me at (713) 476-9844 or 1-800-419-8881.

Sincerely,

Neal Barnes, P.G. Asbestos Consultant

Default delivery is by PDF file. Initial if you prefer to have paper copies shipped.

# Permit Information

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Permit Information							
Permit Type		Approved	Permit Fee	Est. Project Cost			
DEMO			\$200.00	<b>/</b> \$25,000.00			
Project Dimensions		Version o	of Code				
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<u> </u>		==					
To Clerk Date:	12/8/2	010	Closure I	)ate:			
Insurance Notification Date:		lns	ureance Receipt D	Pate:			
Temporary CoO/C Date:	,	Carrier of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro	CoO/C D	ate:			
Permit Issuer	Final In			O/C Issuer			
MELISSA FARMER	KOLA	OLAYIWOLA					
				Final Insp. Date			
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General Comments				· ·			
DEMO 12 OF THE 5,000 GAL	LON TANK	(60,000) WI	LL BE TREATE	D AS ONE PERMIT -			
EACH OF THE 3 THAT ARE	73,000 GAL	LONS WILL B	E TREATED AS	SINDIVIDUAL			





200 WEST SECOND STREET / FREEPORT, TEXAS 77541 / PHONE (979) 233-3526 / FAX (979) 233-2172

# PERMIT APPLICATION

Applicant's Na	me: Columbia Environmental Sts. Inc.
Owners Name:	GUIFCO MARINE MAINTENANCE
Owners Addres	s: 10/3222 REQUESTON, HOUSTON, TX
	77039
	JOB INFORMATION
Contractor's N	ame: Columbia Environmenne Sts., Inc.
Work Location	
Description of	Job Demo 3x 375 K TANKS (\$50.00/EX
A 14 X	300-6000 (\$ 50.00/group) TANICS.
	griton
	b: \$\frac{N\partial 5,000}{\text{Permit Fee: \$\frac{100.00}{\text{Demolition } \text{Hease nowing } \text{Section}}
Phone numbers:	Owner of Property <u>5/2-67/-3434</u>
	Contractor 281-140-6607
Plans turned in	with application:  Type:  No ASESTOS Sciences  Type:  Drawings  Prints
	tion: 11 bla 10 TOH DEMO AppliER DON
Date of Applica	tion:
Date of Applica  Applicants Sign	

# Phase Engineering, Inc.

Environmental Consultants

November 16, 2010

Mr. Tony Maag Columbia Environmental Services, Inc. 13222 Reeveston Road Houston, Texas 77039 713-868-4845 ext 5651 email tmaag@columbiaenviro.com

RE: Asbestos Inspection for demolition purposes of the suspect materials in the tank farm area located at 606 Marlin Avenue, Freeport, Brazoria County, Texas 77541.

Dear Mr. Maag:

An asbestos inspection was conducted November 15, 2010 by Neal Barnes (TDSHS license # 10-5626) of Phase Engineering, Inc. (TDSHS license # 10-0224) in accordance with the National Emission Standards for Hazardous Air Pollutants (Title 40, CFR, Part 61) of the suspect materials in the tank farm area located at 606 Marlin Avenue, Freeport, Brazoria County, Texas 77541 as described within the report to follow. Greater than 1% asbestos was detected in gray vlave gasket material. No other aspestos greater than 1% was detected in the suspect aspestos containing building materials sampled and analyzed within the areas subject to renovation.

If the facility is to be demolished or renovated it is recommended that any ACBMs or assumed ACBMs that will be disturbed be removed by a licensed abatement contractor and if applicable, a licensed asbestos consultant. The TDSHS Demolition/Renovation Notification form combines the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR, Subpart M (NESHAP) and the Texas Asbestos Health Protection Rules (TAHPR). Both of these regulations require that written notification be submitted before beginning renovation projects that include the disturbance of any asbestos-containing material in a facility. A notification form is required before the demolition of a building or facility, even when no asbestos is present. This form must be used to fulfill either of these requirements. Please call either 512-834-6610 or 1-800-572-5548 (within Texas), or your local regional office for assistance in completing this form,

During renovation or demolition activities, care should be exercised in dealing with all construction materials even those shown to be non-asbestos containing (this would include materials technically considered as non-asbestos containing because they are below the one percent limit). If these non-asbestos materials are to be disturbed work practices should be used that will limit exposure to dust and debris. Contractors performing this work should conform to OSHA regulations outlined in 29 CFR 1926.55 (exposure limits can be found in 29 CFR 1910.1000 Table Z-3).

During renovation or demolition activities it is required to have a copy of the asbestos inspection report available during all phases of the renovation or demolition. If you should have any questions or comments concerning the inspection or this letter please call me at (713) 476-9844 or (800) 419-8881. We appreciate you using Phase Engineering, Inc. professional environmental services and look forward to serving you again in the near future.

Sincerely,

Neal Barnes, P.G. Asbestos Consultant

TDSHS License # 105626



For Office Use Only:		
Notification #:		

## ASBESTOS/DEMOLITION NOTIFICATION FORM

	DO NOT WRITE IN THIS BOX- FOR DEPARTMENT USE ONLY  Date received: / / Postmark date: / / Walk-in date: / /
	TYPE OF NOTIFICATION: (Select one and fill in the requested information)
$\boxtimes$	ORIGINAL   AMENDMENT No CANCELLATION
	EMERGENCY  •Was emergency request made to the Regional Office or Environmental Health Notifications Group (EHNG) by phone?  ☐Yes ☐No
	olf yes, the DSHS reference #: and name of the Regional or EHNG representative with whom you spoke?  Date:/ / Time: and name of the Regional or EHNG representative with whom you spoke?  observed the reason for Emergency:
	ORDERED: (For structurally unsound facilities, attach copy of demolition order and identify Governmental Official)  Name: Registration No  Title:
	Date of order (MM/DD/YY): _/   Date order to begin (MM/DD/YY): _/ /
x) low if	AMENDMENTS: You must complete the entire form and mark the appropriate check box(es) along the left-hand side of this form to indicate amended information.
ended	TYPE OF WORK
	☐ Asbestos Abatement ☐ Demolition ☐ Annual Consolidated O&M ☐ Abatement/Demolition Is this a phased project? ☐ Yes ☐ No
₫	FACILITY INFORMATION  1. Facility Location  1. Description or Facility Name: Former Gulfco Marine Maintance Facility  2. Physical Address: 906 marlin Ave  3. County: Brazoria City: Freeport Zip: 77541  4. Facility Contact: Tony Maag Phone #: (281) 740-6607
•	2. Type of Facility (Select one)  ☐ Public ☐ Federal ☐ Industrial/Manufacturing ☒ NESHAP-Only ☐ Public School K-12
]	3. Facility Details  Description of Area/Room Number: Tank Demo  Age of Building: 30+ Size: 30K SF Number of Floors: 1  Is this building occupied? Yes No  Prior Use: Mantiance Facility TANK FARM  Future Use: Abandon
]	Date of Asbestos Survey/NESHAP Inspection: 11/16/10 DSHS Inspector License #: 105626 Analytical Method: ☑ PLM ☐ TEM ☐ Assumed Asbestos ☐ No Suspect Material DSHS Laboratory License #: 30-0340
	WORK SCHEDULE/ASBESTOS AMOUNTS (Note: if the start date(s) entered below cannot be met, the DSHS Regional or Local Program office must be notified prior to the scheduled start date. Failure to do so is a violation of TAHPA Section 295.61.)
] ]	1. Asbestos Abatement Work Schedule:  Start date: / / and End date: / /  Work days: Mon. Tues. Wed. Thurs. Fri. Sat. Sun.  Working hours: a.m. p.m. to a.m. p.m.  2. Demolition Work Schedule:  Start date: 12/08/10 and End date: 01/06/11
<b>]</b>	Work days: ⊠Mon. ⊠Tues. ⊠Wed. ⊠Thurs. ⊠Fri. □Sat. □Sun. Working hours: 7:00 ⊠ a.m. □ p.m. to 6:00 □ a.m. ⊠p.m.

Asbestos-Containing Building Material Type	Approximate amount of Asbestos						
*Only mark the boxes below on this chart if they are being amended	Pipes	Ln Ft		Surface Area	SQ Ft	SQ M	Cu Ft
⊠RACM to be removed		Ø	$\dagger \Box$	2		m	<del>                                     </del>
RACM left in place during demolition							
Interior Category I non-friable removed					一		
Exterior Category I non-friable removed							
Category I non-friable left in place during demolition							
Interior Category II non-friable removed							
Exterior Category II non-friable removed							
Category II non-friable left in place during demolition							
RACM Off-Facility Component			T				
1 Description of planned demolition on abstances viscols time of		a 11/1		d(a) +c h			
2. Description of planned demolition or abatement work, type of  and removal of 2 square feet of gasket material  3. Description of work practices and engineering controls to be a Wear proper PPE, cut flage off and drum for disposal							
and removal of 2 square feet of gasket material  3. Description of work practices and engineering controls to be a Wear proper PPE, cut flage off and drum for disposal  PROJECT INFORMATION  A. FACILITY OWNER Facility Owner Name: LDL Coastal LP Phone #: (281) 740-6607 Attention: c/o Tony Maag Mailing Address: 13222 Reeveston							
and removal of 2 square feet of gasket material  3. Description of work practices and engineering controls to be a Wear proper PPE, cut flage off and drum for disposal  PROJECT INFORMATION  A. FACILITY OWNER Facility Owner Name: LDL Coastal LP Phone #: (281) 740-6607 Attention: c/o Tony Maag Mailing Address: 13222 Reeveston City: Houston State: TX Zip: 77039  B. ASBESTOS ABATEMENT CONTRACTOR #1 DSHS Asbestos Contractor License #: NA							
and removal of 2 square feet of gasket material  3. Description of work practices and engineering controls to be a Wear proper PPE, cut flage off and drum for disposal  PROJECT INFORMATION  A. FACILITY OWNER Facility Owner Name: LDL Coastal LP Phone #: (281) 740-6607 Attention: c/o Tony Maag Mailing Address: 13222 Reeveston City: Houston State: TX Zip: 77039  B. ASBESTOS ABATEMENT CONTRACTOR #1							

(x) elow if	***	
mended E. NESHAP TRAINED INDIVIDUAL	•	· · · · · · · · · · · · · · · · · · ·
NESHAP Trained Individual: NA		
Certification Date: //	•	•
F. DEMOLITION CONTRACTOR		x  =  x  +  x
Demolition Contractor: Effective Environmnental, Inc.		
Address: 2515 S. Beltline Rd		
City: Mesquite State: TX Zip: 75181 Phone #: (972) 329-12	.00	
G. PROJECT CONSULTANT OR OPERATOR	<del></del>	
DSHS License No.: 10-5519		
Project Consultant or Operator: Enercon		
Address: 12100 Ford Rd, Ste 200		,
City: Dallas State: TX Zip: 75234 Phone #: (972) 484-3854	•	
H. Waste Transporter	•	
DSHS Waste Transporter License #:		
Waste Transporter: to be determined		•
Address:		
City: State: Zip:		
Contact Person:Phone #: ( ) -		
I. Waste Disposal Site		•
TCEQ Permit #: <u>1721A</u>	· ·	
Waste Disposal Site: Waste Managment	•	
Address: 19818 E Highway 6		•
City: Alvin State: TX Zip: 77511	•	
Phone #: (713) 423-1714		
<u>CERTIFICATION STATEMENT</u>	·	-
I hereby declare that I have examined this notification and, to t	he best of my knowledge and belie	f, all information provided is
complete, true, and correct. I affirm that I am the owner, operation	itor, or delegated agent and that I a	m responsible for the fee
associated with this notification. I also understand that the own	ner, operator, or delegated agent is	responsible for notification to
the department.		,
	•	
	Date: <u>11/25/10</u>	
(Signature of Owner, Operator or Delegated Agent)		
Tony Maag/PM		
(Printed Name & Title)		

E-mail Address: tmaag@columbiaenviro.com Phone #: (281) 740-6607

### **IMPORTANT INFORMATION**

### NOTIFICATION TIMELINESS REQUIREMENT:

Your Asbestos/Demolition Notification form must be postmarked no less than ten working days (not calendar days) prior to the start of any asbestos abatement or demolition.

FILING FEE: An invoice will be mailed to the facility owner upon completion of the project.

**CALL FOR ASSISTANCE:** (512) 834-6747 or (888) 778-9440 (toll free in Texas)

MAIL FORM TO: ENVIRONMENTAL HEALTH NOTIFICATIONS GROUP

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

PO BOX 143538

AUSTIN, TX 78714-3538

# APPENDIX E TANK CERTIFICATES OF DESTRUCTION



Eric Pastor
Pastor, Behling & Wheeler, LLC
2201 Double Creek Drive, Suite 4004

Round Rock, Texas 78664 Phone: 512-671-3434

Email: eric.pastor@pbwllc.com

Subject: Tank Destruction Certificate

Former Gulfco Superfund Site

LDL Coastal, LP

Effective Environmental, Inc. (E2) does herby certify that the following tank with the associated volume was demolished on site and the material was sent to Proler Southwest, Inc. at 90 Hirsch Road in Houston, Texas for recycling. The demolition was done in accordance with the Work Implementation Plan for the project. The scrap delivery tickets are being submitted as a package. The shipments were not specific to each tank or tank numbers.

Tank No. 2 Capacity: 7,500 gal

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100 Fax: 713 672 6101



Eric Pastor Pastor, Behling & Wheeler, LLC 2201 Double Creek Drive, Suite 4004

Round Rock, Texas 78664 Phone: 512-671-3434

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Tank No. 4 Capacity: 28,700 gg/

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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Tank No. 6 Capacity: 31,000 gal

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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Tank No	10	Capacity: 3,400 gal
		1

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200 Fax: 972 329 1206 9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100 Fax: 713 672 6101



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Tank No. 13 Capacity: 6,000 gal

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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Tank No. 14 Capacity: 10,000 gol

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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Гаnk No	Capacity: <u>73,500</u> gol

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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Tank No. 16 Capacity: 5,000 ggl

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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Tank No. <u> </u>	Capacity: 4,000 gal
Tank No <i>I (</i>	Capacity: <u>4,000 g</u> a

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



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	10	Capacity: <u>3,000 ga</u> (
Tank No		Capacity. Jessey

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



Eric Pastor
Pastor, Behling & Wheeler, LLC
2201 Double Creek Drive, Suite 4004

Round Rock, Texas 78664 Phone: 512-671-3434

Email: eric.pastor@pbwllc.com

Subject: Tank Destruction Certificate Former Gulfco Superfund Site

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LDL Coastal, LP

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Tank No	19	Capa	city: <u>73, 500 go</u> (
			//

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100



Eric Pastor Pastor, Behling & Wheeler, LLC 2201 Double Creek Drive, Suite 4004

Round Rock, Texas 78664 Phone: 512-671-3434

Email: eric.pastor@pbwllc.com

Subject: Tank Destruction Certificate

Former Gulfco Superfund Site

LDL Coastal, LP

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Tank No. 21 Capacity: 73,500 gol

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200 Fax: 972 329 1206 9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100 Fax: 713 672 6101



Eric Pastor
Pastor, Behling & Wheeler, LLC
2201 Double Creek Drive, Suite 4004

Round Rock, Texas 78664 Phone: 512-671-3434

Email: eric.pastor@pbwllc.com

Subject: Tank Destruction Certificate Former Gulfco Superfund Site

LDL Coastal, LP

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Tank No. 22 Capacity: 6,000 gg/

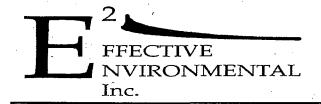
Certified by:

**Greg Blomquist** 

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100 Fax: 713 672 6101



Eric Pastor Pastor, Behling & Wheeler, LLC 2201 Double Creek Drive, Suite 4004 Round Rock, Texas 78664

Phone: 512-671-3434

Email: eric.pastor@pbwllc.com

Subject: Tank Destruction Certificate Former Gulfco Superfund Site LDL Coastal, LP

ez Blougust

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Tank No. 23 Capacity: 500 gol

Certified by:

Greg Blomquist

2515 S. Beltline Rd. Mesquite, TX 75181 Phone: 972 329 1200

Fax: 972 329 1206

9950 Chemical Road Houston, TX 77507 Phone: 713 672 6100

### APPENDIX F

NORTH CONTAINMENT AREA SOIL EXCAVATION APPROACH DOCUMENTATION

#### **Eric Pastor**

From:

Miller.Garyg@epamail.epa.gov

Sent:

Friday, January 07, 2011 4:21 PM

To:

Eric Pastor

Cc:

Voskov, Luda; Sanchez.Carlos@epamail.epa.gov; Nann.Barbara@epamail.epa.gov;

Bhattacharya.Dipanjana@epamail.epa.gov; Shade.Kevin@epamail.epa.gov;

Roddy.Susan@epamail.epa.gov

Subject:

Re: Proposed Approach to Address Gulfco Tank Farm North Containment Area

Attachments: Tank Content Concentrations.pdf; AST Tank Farm Containment Area Soil Excavation

Comparison Criteria.pdf; Figure 1 - Tank Farm Map.pdf; NEDR Figure 3 - Well Locations.pdf;

Table 24 - Zone A Groundwater Exceedences.pdf

#### Eric,

The proposed plan below to address the Gulfco Tank Farm north containment area is approved. FYI, EPA's contractors will be on-site and plan to collect sample splits for the verification samples.

#### Regards,

Gary Miller, P.E. Remediation Project Manager EPA Region 6 - Superfund (6SF-RA) (214) 665-8318 miller.garyg@epa.gov

From:

"Eric Pastor" <eric.pastor@pbwllc.com>

To:

Garyg Miller/R6/USEPA/US@EPA

Date:

01/07/2011 10:45 AM

Subject:

Proposed Approach to Address Gulfco Tank Farm North Containment Area

#### Hi Gary -

As you know from our previous communications, during the performance of the time critical removal action at the former Gulfco tank farm area, we recently observed that the north containment area floor was constructed of a compacted caliche base material rather than concrete as was previously thought (the south containment area floor was constructed of concrete as anticipated). As indicated in my e-mail to you on December 23, 2010, visible staining of this north containment area caliche floor below the footprint of Tank No. 6 was observed when that tank was removed. In addition, we have recently observed smaller isolated areas of staining below Tank Nos. 2, 15, and 21 in the north containment area (see attached Figure 1 - tank farm map for locations).

In accordance with our previous communications, I am sending this e-mail to outline our proposed plan for addressing the areas of observed impacts to the north containment area floor and decontaminating that area prior to demolishing sections of the containment area dikes as described in the removal action work plan. I would greatly appreciate it if you could review and comment on these proposed activities at your earliest convenience, so we may proceed with their implementation as soon as possible.

Specifically, we propose to perform the following:

- 1) Focused areas of the caliche floor below the former footprints of Tank Nos. 2, 6, 15 and 21 where visible staining is observed will be excavated. As practical, we propose to excavate the caliche floor and underlying soils as necessary until no visible staining is observed at the floors and walls of each excavated area. In addition, we will scrap and remove the upper approximately two inches of the caliche floor from the balance of the north containment area.
- 2) Excavated soil and caliche will be placed in water-tight roll-off bins staged near the excavation area. One or more representative samples of the excavated material will be collected by the remediation contractor for waste classification and profiling. Following completion of sample analyses and profiling, the excavated material will be shipped off-site for management at one of the facilities specified in Table 6 of the removal action work plan, or an alternative facility certified in advance by EPA as described in the Settlement Agreement.
- 3) Upon reaching the above excavation goal, we will collect verification samples of the caliche floor and/or underlying soil. Specific numbers and locations of verification samples will be selected in the field based on the areas, sizes and configurations of the areas excavated. For planning purposes, it is anticipated that two samples will be collected from the Tank No. 6 footprint and one sample will be collected from each of the Tank Nos. 2, 15, and 21 footprints. These samples will be analyzed for the project volatile organic compound (VOC) and semivolatile organic compound (SVOC) analytes listed in the attached Table 1. Sampling and analytical procedures will be as specified in the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP). Level III analyses and validation will be performed. Analytical results will be compared to the comparison criteria listed in the attached Table 1 on an individual or statistical basis in accordance with EPA guidance. As indicated in Table 1, the comparison criteria are the lower of EPA and TCEQ risk-based screening values for direct contact with soil by industrial/commercial workers.
- 4) In the event that some areas can not practically be excavated such that visible staining is removed or the extent of impacted caliche/soil is anticipated to preclude effective remediation by excavation, we will contact you to discuss potential in-place remediation options. Pending that discussion and with EPA's concurrence, we will excavate as much material as appropriate and collect verification samples to document VOC and SVOC concentrations in the residual (i.e., post-excavation) soil/caliche.
- 5) Similarly, in the event that the comparison of verification samples described above indicates that residual soil/caliche concentrations exceed comparison criteria, we will contact you to discuss potential in-place remediation options. Pending that discussion and EPA's input, we will propose additional remediation activities for EPA review.
- 6) Following completion of the above excavation and sampling activities, backfilling of excavated areas will be performed as necessary to minimize the potential for accumulation of rainfall in low spots. Containment area berms will subsequently be demolished in accordance with the removal action work plan.

As we discussed and as shown on the attached Figure 3 from the previously submitted Nature and Extent Data Report (NEDR), three monitoring wells (SE6MW09, SF5MW10 and SF6MW11) are located immediately adjacent to or within 50 feet of the north containment area. As part of the RI, samples from these wells were analyzed for the full suite of Site chemicals of interest (COIs). As indicated on page 4 in the attached Table 24 from the NEDR, the only COIs detected in these samples at concentrations exceeding groundwater extent evaluation comparison values were very low and estimated (i.e., J-flagged) concentrations of silver (SE6MW09 and SF6MW11) and gamma-BHC (Lindane) (SF5MW10), neither of which were detected in samples from Tank Nos. 2, 6, 15, and 21 as shown on the attached Table 1 from the removal action work plan.

Thanks for reviewing this description of our proposed work. Please let me know if you have any comments/revisions or need any additional information before we proceed.

Eric Pastor Pastor, Behling & Wheeler, LLC 2201 Double Creek Drive, Suite 4004 Round Rock, Texas 78664 512-671-3434

Table 1
Gulfco Former AST Tank Farm
Tank Sample - RCI/Toxicity Data

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Tank No.	Sample ID.	Physical Description	Hd	Reactivity Sulfide	Reactivity Cyanide	Flashpoint	Arsenic	Barium	Benzene	Cadmium	Carbon Tetrachloride
7 din 140.	Campioni	1 Hydrodi Basaripusii	1 1	ppm	ppm	Deg. F.	mg/Ĺ	mg/L	mg/L	mg/L	mg/L
			1							3	
Tank No. 2	TK-2-O	Aqueous Phase	NA	NA	NA	NA	<0.0024	12.1	<0.177	NA	NA
:	TK-2-O	Organic Phase	5.95	112	<250	>212	<0.0024	8.19	0.415 J	0.0033 B	<0.013
	TK-2-S	Solids- sand, debris, etc.	NA	NA	NA	NA	<0.0024	2.82	24.1	0.0038 B	<0.256
Tank No. 4	TK-4-A	Oily Water	7.4	<96	<250	>212	<0.0024	29.7	<0.000177	0.016	<0.000336
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Tank No. 6	TK-6-S	Rust Solids	NA	NA	NA	NA	<0.0024	0.89 B	<0.009	0,002 B	<0.00512
		·	1			i			<u> </u>		
Tank No. 13	TK-13-O	Oily sludge	6.89	80	<250	>212	<0.0024	0.27 B	13.8	<0.00022	<0.128
									*		
Tank No. 14	None	Empty (2 in. of rust solids)	NA	NA	NA	NA	NA	NA	NA NA	NA	NA
					<b></b>				ļ		
Tank No. 15	TK-15-O	Oily sludge	6.38	<80	<250	126	<0.0024	0.22 B	5.3	<0.00022	<0.00512
T ( ) ( )	TIC 40.0		1 221		.050		-0.0004	0.00.5	0.000		0.00540
Tank No. 16	TK-16-O	Oily sludge	6.31	<80	<250	>212	<0.0024	0.39 B	<0.009	<0.00022	<0.00512
Tank No. 17	TK-17-S	Rust solids	NA I	NA	NA	NA	<0.0024	0.56 B	10,000	0.0010.0	-0.00512
TATIK NO. 17	1K-11-3	Rust solids	NA NA	INA	INA	INA	<u> </u>	U.36 B	<0.009	0.0012 B	<0.00512
Tank No. 18	TK-18-O	Light Organic Phase	3.37	<417	<250	90	<0.024	0.53 B	<9	<0.0022	<5.12
TAIK NO. 16	1K-10-0	Light Organic Friase	3.37	<u> </u>	\250	90	<u> </u>	U.33 B	<del>  `*</del>	V0.0022	-<5.12
Tank No. 19	TK-19-O	Oily sludge	6.75	216	<250	104	<0.0024	1.33	<4.5	<0.00022	<2.56
741K 140. 10		Only studge	0.75	210	1200		10.0024	1.00	14.5	10.00022	1 12.50
Tank No. 21	TK-21-A	Oily water	8.5	<80	<250	>212	<0.0024	0.0021 B	51.6 J	<0.00022	<5.12
							****		1	0,000	<del>                                     </del>
Tank No. 22	TK-22-O	Oily sludge	6.74	<80	<250	>212	<0.0024	0.28 B	<0.009	<0.00022	<0.00512
									1	***************************************	
Tank No. 23	TK-23-O (mg/kg)	Appears to be diesel	6.72	160	<250	126	<0.16	0.26B	<2.08	<0.013	<2.4
		<u>.                                    </u>									
North Containment Area	Dike North	Water	NA	NA	NA	NA	0.012	1,17	0.011	<0.00019	0.00889 J
South Containment Area	Dike South	Water	. NA	NA NA	NA	NA	0.024	0.49	0.015	<0.00019	<0.000336
	_L	<u> </u>	<u> </u>					<u> </u>	ļ		
Hazardous Criteria			= 2 or /= 12.5	>/= 500	>/= 250	<140	5	100	0,5	1	0.5

Table 1
Gulfco Former AST Tank Farm
Tank Sample - RCI/Toxicity Data

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,			ane	Chlorobenzene	form	io m	, lo	esol		1,2-Dichloroethane	1,4-Dichlorobenzene	
Tank No.	Sample ID.	Physical Description	Chlordane	Chloro	Chloroform	Chromium	o-Cresol	m,p-Cresol	Cresol	1,2-Dic	,4-Dic	2,4'-D
TAIR NO.	Campic 15.	1 Trysical Description	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L .	mg/L	mg/L
Tank No. 2	TK-2-O	Aqueous Phase	NA	<0.162	1.5 J	0.16	< 0.409	< 0.368	NA	7.97 `	<0.0538	NA
	TK-2-O	Organic Phase	<0.00008	<0.021	2.25	<0.0012	<0.0012	<0.0014	< 0.003	8.4	<0.0011	<0.0027
	TK-2-S	Solids- sand, debris, etc.	<0.00008	<0.426	20.7	0.0045 B	0.00275 J	<0.0014	0.00414 J	203	<0.0011	<0.0027
	11120	Coma Carra, acomo, aca.	0.0000	10.120		0.00100	0.002700	10.0011	0.001110		10.0011	0.0021
Tank No. 4	TK-4-A	Oily Water	NA	<0.000162	<0.00018	<0.0012	<0.00327	<0.00295	NA	<0.000176	<0.000538	<0.00027
Tank No. 6	TK-6-S	Rust Solids	<0.00008	<0.00852	<0.00776	<0.0012	<0.0012	<0.0014	<0.003	<0.0082	<0.0011	<0.0027
Tank No. 13	TK-13-O	Oily sludge	<0.00008	<0.213	1.32 J	<0.0012	<0.0012	0.00143 J	<0.003	2.73 J	<0.0011	<0.0027
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Tank No. 14	None	Empty (2 in. of rust solids)	NA	NA	NA	NA	NA	NA	NA	NA	NA ·	NA
T1. N- 45	TIC 45 O	Oib a stude a	*0.0000B	40.00053	40 0077C	10.0010	10.040.1	10.0044	0.042	10.0000	10.0014	10.0007
Tank No. 15	TK-15-O	Oily sludge	<0.00008	<0.00852	<0.00776	<0.0012	<0.013 J	<0.0014	0.013 J	<0.0082	<0.0011	<0.0027
Tank No. 16	TK-16-O	Oily sludge	<0.00008	<0.00852	<0.00776	<0.0012	<0.0012	0.037 J	0.037 J	<0.0082	<0.0011	<0.0027
Tank No. 17	TK-17-S	Rust solids	<0.0004	<0.00852	<0.00776	<0.0012	<0.0012	<0.0014	<0.003	<0.0082	<0.0011	<0.0027
Tank No. 18	TK-18-O	Light Organic Phase	<0.01431	<8.52	216	<0.012	<0.1764	<0.2134	<0.444	<8.2	<0.1577	<0.0027
Tank No. 19	TK-19-O	Oily sludge	<0.00008	<4.26	<3.88	<0.0012	0.0046 J	<0.0014	0.00486 J	· · · <4.1	<0.0011	<0.0027
Tank No. 21	TK-21-A	Oily water	<0.00008	<8.52	2100	<0.0012	<0.0012	<0.0014	<0.003	224	<0.0011	<0.0027
Tank No. 22	TK-22-O	Oily sludge	<0.00008	<0.00852	<0.00776	<0.0012	<0.0012	0.00364 J	0.00364 J	<0.0082	<0.0011	<0.0027
Tank No. 23	TK-23-O (mg/kg)	Appears to be diesel	NA	<3.31	<2.83	<0.049	NA	NA	NA NA	<2.28	<8.44	NA
North Containment Area	Dike North	Water	NA	<0.000324	0:095	0.0028 B	<0.000327	<0.000295	NA	0.045	<0.00108	<0.0027
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South Containment Area	Dike South	Water	NA	<0.000162	0.03	0.0031 B	<0.000327	<0.000295	NA	0.00304 J	<0.000538	<0.00027
Hazardous Criteria			0.03	100	6	.5	200	200	200	0.5	7.5	10

Table 1
Gulfco Former AST Tank Farm
Tank Sample - RCI/Toxicity Data

			1,1-Dichloroethene	2,4-Dinitrotoluene	Endrin	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Lead
Tank No.	Sample ID.	Physical Description	<del></del>				+				
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Tank No. 2	TK-2-O	Aqueous Phase	<0.205	<0.579	NA	NA	NA NA	<0.32	<0.45	<1.05	<0.0013
	TK-2-O	Organic Phase	<0.023	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	0.043 B
	TK-2-S	Solids- sand, debris, etc.	<0.458	<0.0036	<0.00007	<0.00004	<0.0005	<0.0015	<0.0017	<0.0016	0.0084 B
Tank No. 4	TK-4-A	Oily Water	<0.000205	<0.00464	<0.0000832	<0.0000439	0.00065	<0.00256	<0.00045	<0.00842	0.28
Tank No. 6	TK-6-S	Rust Solids	<0.00916	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	0.0028 B
Tank No. 13	TK-13-O	Oily sludge	<0.229	<0.0036	<0.00007	<0.00004	0.00057	<0.0015	<0.0017	<0.0016	0.0035 B
Tank No. 14	None	Empty (2 in. of rust solids)	NA	NA	NA	NA	NA NA	NA	NA	NA NA	NA NA
Talik NO. 14	TAONE	Empty (2 iii. or rust solids)	INA	IVA	INO	180	INO	IVA.	INA.	iva	INA
Tank No. 15	TK-15-O	Oily sludge	<0.00916	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	<0.0013
Tank No. 16	TK-16-O	Oily sludge	<0.00916	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	<0.0013
Tank No. 17	TK-17-S	Rust solids	<0.00916	<0.0036	<0.00033	<0.00019	<0.00024	<0.0015	<0.0017	<0.0016	0.022 B
Tank No. 18	TK-18-O	Light Organic Phase	<9.16	<0.5339	<0.01182	0.029 J	<0.00862	<0.2179	<0.248	<0.2358	<0.013
Tank No. 19	TK-19-O	Oily sludge	<4.58	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	0.0056 B
Tank No. 21	TK-21-A	Oily water	<9.16	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	<0.0013
Tank No. 22	TK-22-O	Oily sludge	<0.00916	<0.0036	<0.00007	<0.00004	<0.00005	<0.0015	<0.0017	<0.0016	<0.0013
Tank No. 23	TK-23-O (mg/kg)	Appears to be diesel	<3.19	NA	NA	NA.	NA	NA	<24.9	NA	<0.097
	·					·					
North Containment Area	Dike North	Water	<0.000411	<0.000464	<0.00000832	<0.00000439	<0.00000732	<0.000256	<0.0009	<0.000842	<0.0013
South Containment Area	Dike South	Water	<0.000205	<0.000464	<0.00000832	<0.00000439	0.0000329	<0.000256	<0.00045	<0.000842	0.0044 B
Hazardous Criteria	<u> </u>	<u> </u>	0.7	0.13	0.02	0.008	0.008	0.13	0.5	3	5

Table 1
Gulfco Former AST Tank Farm
Tank Sample - RCI/Toxicity Data

:			ane	Áunc	Methoxychlor		Nitrobenzene	Pentachlorophenol	dine	Selenium	Į.
Tank No.	Sample ID.	Physical Description	Lindane	Mercury	Meth	MEK	Nitro	Pent	Pyridine	Sele	Silver
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						•					
Tank No. 2	TK-2-0	Aqueous Phase	<0.00003	0.00004	NA	13.4	<0.452	<1.33	<0.437	0.03 B	<0.0006
	TK-2-O	Organic Phase	<0.00003	0.00037	<0.00032	9.77	<0.0008	<0.0037	<0.0182	<0.0046	<0.0006
	TK-2-S	Solids- sand, debris, etc.	<0.00003	0.00014 B	<0.00032	30	<0.0008	<0.0037	<0.0182	<0.0046	<0.0006
		<u> </u>							2 222 12		
Tank No. 4	TK-4-A .	Oily Water	0.00035	0.00017 B	0.0018 J	0.011	<0.00362	<0.011	<0.00349	<0.0046	<0.0006
Tank No. 6	TK-6-S	Rust Solids	<0.00003	0.00013 B	<0.00032	<0.017	<0.0008	<0.0037	<0.0182	0.014 B	<0.0006
Tank No. 13	TK-13-0	Oily sludge	<0.00003	0.00012 B	<0.00032	<0.429	<0.0008	<0.0037	<0.0182	0.006 B	<0.0006
Tank No. 14	None	Empty (2 in. of rust solids)	NA:	NA	NA	NA	NA	NA .	NA	NA	· NA
Tank No. 15	TK-15-O	Oily sludge	<0.00003	0.00039	<0.00032	0.085 J	<0.0008	<0.0037	<0.0182	0.0095 B	<0.0006
Tank No. 16	TK-16-O	Oily sludge	<0.00003	0.00011 B	<0.00032	0.367	<0.0008	<0.0037	<0.0182	0.013 B	<0.0006
Tank No. 17	TK-17-S	Rust solids	0.0185	0.00015 B	<0.00162	<0.017	<0.0008	<0.0037	<0.0182	<0.0046	<0.0006
Tank No. 18	TK-18-O	Light Organic Phase	<0.00556	<0.0048	<0.05816	<17.2	<0.1262	<0.5607	<2.74	0.88 B	<0.006
Tank No. 19	TK-19-O	Oily sludge	<0.00003	0.00008 B	<0.00032	<8.58	<0.0008	<0.0037	<0.0182	0.0064 B	<0.0006
Tank No. 21	TK-21-A	Oily water	<0.00003	0.00012 B	<0.00032	<17.2	<0.0008	<0.0037	<0.0182	<0.0046	<0.0006
Tank No. 22	TK-22-0	Oily sludge	<0.00003	0.00013 B	<0.00032	0.874	<0.0008	<0.0037	<0.0182	0.0067 B	<0.0006
Tank No. 23	TK-23-O (mg/kg)	Appears to be diesel	NA	0.011	NA ·	<6.25	NA	NA	NA	1.6B	<0.047
North Containment Area	Dike North	Water	<0.00000255	<0.00004	<0.00000214	<0.00217	<0.000362	<0.00106	<0.000349	0.0049 B	<0.0006
South Containment Area	Dike South	Water	<0.00000255	<0.00004	<0.00000214	<0.00109	<0.000362	<0.00106	<0.000349	<0.0046	<0.0006
Hazardous Criteria			0.4	0.2	10	200	2	100	5	1	5

Table 1
Gulfco Former AST Tank Farm
Tank Sample - RCI/Toxicity Data

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			Tetrachloroethylene	Toxaphene	Trichloroethylene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4,5-TP (Silvex)	Vinyl Chloride
Tank No.	Sample ID.	Physical Description			<del></del>				
·		<u> </u>	mg/L	mg/L	mg/L	mg/L	mg/L_	mg/L	mg/L
Tank No. 2	TK-2-0	Aqueous Phase	<0.768	NA	0.851 J	<0.508	<0.525	NA	<0.383
Talik 110. 2	TK-2-O	Organic Phase	<0.023	<0.00025	1.52	<0.001	<0.0021	<0.0016	0.247 J
	TK-2-S	Solids- sand, debris, etc.	55.7	<0.00025	205	<0.001	<0.0021	<0.0016	<0.01
Tank No. 4	TK-4-A	Oily Water	<0.000768	<0.00275	0.00102 J	<0.00406	<0.00042	<0.00013	<0.000383
TI-NC	TKCC	Dust Calida	10,00000	40,00005	0.007.1	40.004	40 000d	<0.0046	*0.002E6
Tank No. 6	TK-6-S	Rust Solids	<0.00908	<0.00025	0.027 J	<0.001	<0.0021	<0.0016	<0.00356
Tank No. 13	TK-13-O	Oily sludge	47.7	<0.00025	2.98 J	<0.001	<0.0021	<0.0016	0.988 J
Turk No. 10	1111100	Ony oldage	41.7	10.00020	2.000	10.001	10.0021	-0.0010	0.0000
Tank No. 14	None	Empty (2 in. of rust solids)	NA	NA.	NA	NA	NA	NA	NA
									]
Tank No. 15	TK-15-O	Oily sludge	<0.00908	<0.00025	<0.011	<0.001	<0.0021	<0.0016	<0.00356
Tools No. 16	TK-16-O	Oily aludge	<0.00908	-0.00025	-0.011	z0.001	z0.0021	<0.0016	<0.003E6
Tank No. 16	TK-10-U	Oily sludge	- 10.00908	<0.00025	<0.011	<0.001	<0.0021	<0.0016	<0.00356
Tank No. 17	TK-17-S	Rust solids	<0.00908	<0.00125	<0.011	<0.001	<0.0021	<0.0016	<0.00356
Tank No. 18	TK-18-O	Light Organic Phase	<9.08	<0.045	<10.8	<0.1552	<0.3149	<0.0016	<3.56
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Tank No. 19	TK-19-O	Oily sludge	<4.54	<0.00025	<5.4	<0.001	<0.0021	<0.0016	<1.78
Tank No. 21	TK-21-A	Oily water	<9.08	<0.00025	<10.8	<0.001	<0.0021	<0.0016	<3.56
1 ank 140. 21	11112171	Only Water	13.00	10.00020	110.0	10,001	10,0021	10.0010	10.00
Tank No. 22	TK-22-O	Oily sludge	<0.00908	<0.00025	<0.011	<0.001	<0.0021	<0.0016	<0.00356
Tank No. 23	TK-23-O (mg/kg)	Appears to be diesel	<3.85	NA	<3.55	NA	NA_	NA	<7.03
North Containment Area	Dike North	Water	0.00627 J	<0.000275	0.018	<0.000406	<0.00042	<0.00013	<0.000765
South Containment Area	Dike South	Water	<0.000768	<0.000275	<0.000702	<0.000406	<0.00042	<0.00013	<0.000383
Hazardous Criteria	<u>.l</u> .		. 0.7	0.5	0.5	400	2	1	0.2

Table 1
Gulfco Former AST Tank Farm
Tank Sample - RCI/Toxicity Data

r	T	· <del>7 · · · · · · · · · · · · · · · · · ·</del>	
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	1		
Tank No.	Sample ID.	Physical Description	Comments
Tank No. 2	TK-2-O	Aqueous Phase	Total Data
	TK-2-O	Organic Phase	TCLP Data
	TK-2-S	Solids- sand, debris, etc.	TCLP Data
Tank No. 4	TK-4-A	Oily Water	Total Data
Tank No. 6	TK-6-S	Rust Solids	TCLP Data
	· ·		
Tank No. 13	TK-13-O	Oily sludge	TCLP Data
Tank No. 14	None	Empty (2 in. of rust solids)	
Tank No. 15	TK-15-O	Oily sludge	TCLP Data
Tank No. 16	TK-16-O	Oily sludge	TCLP Data
Tank No. 17	TK-17-S	Rust solids	TCLP Data
Tank No. 18	TK-18-O	Light Organic Phase	TCLP Data
: : :	<b></b>		
Tank No. 19	TK-19-O	Oily sludge	TCLP Data
Tank No. 21	TK-21-A	Oily water	TCLP Data
			,
Tank No. 22	TK-22-O	Oily sludge	TCLP Data
Tank No. 23	TK-23-O (mg/kg)	Appears to be diesel	Total Data (mg/kg)
`			
No all Company	Dita Nasti	10/	Tatal Data
North Containment Area	Dike North	Water	Total Data
Cauth Cantainment Assa	Dilea Courth	10/	Total Data
South Containment Area	Dike South	Water	Total Data
	<u> </u>		
Hazardous Criteria		•	
		<u> </u>	

TABLE 1. COMPARISON CRITERIA FOR AST TANK FARM CONTAINMENT AREA SOIL EXCAVATION  $^{\rm I}$ 

Chemicals of Interest	EPA Region 6 Soil Screening Criteria ⁽²⁾	TotSoil _{Comb} (3)	Comparison Criteria ⁽⁴⁾
VOCs			
1,1,2-Tetrachloroethane	7.6E+00	7.3E+01 ⁽⁵⁾	7.6E+00
<del>' ' '</del>		5.4E+04 ⁽⁵⁾	
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1.4E+03 9.7E-01	7.3E+00	1.4E+03 9.7E-01
1,1,2-Trichloroethane	2.1E+00	1.9E+01	2.1E+00
<del></del>	<del></del>	4.3E+03 ⁽⁵⁾	
1,1-Dichloroethane	2.3E+03	<del></del>	2.3E+03
1,1-Dichloroethene	4.7E+02	3.5E+03 ⁽⁵⁾	4.7E+02
1,1-Dichloropropene		6.1E+01	6.1E+01
1,2,3-Trichloropropane	3.4L-03	4.1E+00	3.4E-03
1,2,4-Trichlorobenzene	2.6E+02	4.2E+03 ⁽⁵⁾	2.6E+02
1,2,4-Trimethylbenzene	1.9E+02	1.1E+02 ⁽⁵⁾	1.9E+02
1,2-Dibromo-3-chloropropane	2.2E+00	1.4E-01 ⁽⁵⁾	2.2E+00
1,2-Dibromoethane	7.0E-02	7.9E-01 ⁽⁵⁾	7.0E-02
1,2-Dichlorobenzene	3.7E+02	5.7E+02	3.7E+02
1,2-Dichloroethane	8.4E-01	1.1E+01	8.4E-01
,2-Dichloropropane	8.5E-01	4.4E+01	8.5E-01
1,3,5-Trimethylbenzene	7.8E+01	8.3E+01	7.8E+01
,3-Dichlorobenzene	1.5E+02	8.8E+01	8.8E+01
,3-Dichloropropane		6.1E+01	6.1E+01
1,4-Dichlorobenzene	8.1E+00	1.2E+03	8.1E+00
2,2-Dichloropropane		4.4E+01	4.4E+01
2-Butanone	3.4E+04	7.3E+04	3.4E+04
2-Chloroethylvinyl ether		3.3E+00	3.3E+00
2-Chlorotoluene	5.1E+02	2.5E+03	5.1E+02
2-Hexanone	<del></del>	7.9E+01	7.9E+01
1-Chlorotoluene		3.5E+00	3.5E+00
1-Isopropyltoluene		4.7E+03	4.7E+03
1-Methyl-2-pentanone	1.7E+04	2.8E+04	1.7E+04
Acetone	1.0E+05	8.1E+03	8.1E+03
Acrolein	3.8E-01	8.1E-01	3.8E-01
Acrylonitrile	5.5E-01	4.2E+00	5.5E-01
Benzene	1.6E+00	1.11E+02 ⁽⁵⁾	1:6E+00
Bromobenzene	1.2E+02	1.2E+02 ⁽⁵⁾	1.2E+02
Bromodichloromethane	2.6E+00	4.6E+02	2.6E+00
Bromoform	2.4E+02	6.0E+02	2.4E+02
Bromomethane	1.5E+01	5.3E+01	1.5E+01
Butanol	6.8E+04	3.1E+03	3.1E+03
Carbon disulfide	7.2E+02	7.2E+03	7.2E+02
Carbon tetrachloride	5.8E-01	1.9E+01	5.8E-01
Chlorobenzene	6.0E+02	5.4E+02 ⁽⁵⁾	6.0E+02
Chloroethane	7.2E+00	8.7E+04	7.2E+00
Chloroform	5.8E-01	1.3E+01	5.8E-01
Chloromethane	3.0E+00	1.6E+02	3.0E+00
eis-1,2-Dichloroethene	1.6E+02	4.7E+03	1.6E+02
cis-1,3-Dichloropropene	· · · · · ·	4.3E+01	4.3E+01
Cyclohexane	6.8E+03	4.2E+04	6.8E+03
Dibromochloromethane	2.6E+00	3.4E+02	2.6E+00
Dibromomethane	5.9E+02	1.9E+02	1.9E+02
Dichlorodifluoromethane	3.4E+02	4.3E+04	3.4E+02
Ethylbenzene	2.3E+02	1.0E+04	2.3E+02
Hexachlorobutadiene	2.5E+01	2.3E+01	2.3E+01
sopropylbenzene (Cumene)	5.8E+02	6.3E+03	5.8E+02

Chemicals of Interest	EPA Region 6 Soil Screening Criteria ⁽²⁾	TotSoil _{Comb} (3)	Comparison Criteria ⁽⁴⁾
Methyl acetate	1.0E+05	6.6E+03	6.6E+03
Methyl iodide		1,2E+02	1.2E+02
Methylcyclohexane	1.4E+02	3.3E+04	1.4E+02
Methylene chloride	2.2E+01	5.6E+02	2.2E+01
Naphthalene	2.1E+02	1.9E+02	1.9E+02
n-Butylbenzene	2.4E+02	4.0E+03	2.4E+02
n-Propylbenzene	2.4E+02	4.1E+03	2.4E+02
o-Xylene	2.8E+02	8.0E+03 ⁽⁵⁾	2.8E+02
sec-Butylbenzene	2.2E+02	3.7E+03	2.2E+02
Styrene	1.7E+03	7.8E+03 ⁽⁵⁾	1.7E+03
ert-Butyl methyl ether (MTBE)	4.1E+01	1.1E+03	4.1E+01
ert-Butylbenzene	3.9E+02	3,2E+03	3.9E+02
Tetrachloroethene	1.7E+00	3.3E+02 ⁽⁵⁾	1.7E+00
l'oluene	5.2E+02	2.9E+04 ⁽⁵⁾	5.2E+02
rans-1,2-Dichloroethene	2.4E+02	6.42E+02 ⁽⁵⁾	2.4E+02
rans-1,3-Dichloropropene	2.13.02	6.1E+01	6.1E+01
trans-1,4-Dichloro-2-butene		2.9E-01	2.9E-01
Trichloroethene	1.0E-01	1.1E+02 ⁽⁵⁾	1.0E-01
Trichlorofluoromethane	1.4E+03	2.8E+04	1.4E+03
Trichlorotrifluoroethane	5.6E+03	3.3E+05	5.6E+03
Vinyl acetate	1.6E+03	2.2E+03	1.6E+03
Vinyl chloride	4.3E-01	1.3E+01 ⁽⁵⁾	4.3E-01
	<u> </u>	6.5E+03 ⁽⁵⁾	
Xylene (total) SVOCs	2.1E+02	6.5E+03**	2.1E+02
1,2Diphenylhydrazine/Azobenzen	2.4E+00	1.5E+02 ⁽⁵⁾	2.4E+00
2,4,5-Trichlorophenol	6.8E+04	1.2E+04	1.2E+04
2,4,6-Trichlorophenol	1.7E+02	6.81E+02 ⁽⁵⁾	1.7E+02
2,4-Dichlorophenol	2.1E+03	1.7E+03	1.7E+03
2,4-Dimethylphenol	1.4E+04	2.9E+03	2.9E+03
2,4-Dinitrophenol	1.4E+03	1.4E+03	1.4E+03
2.4-Dinitrotoluene	1.4E+03	2.1E+01	2.1E+01
2,6-Dinitrotoluene	6.8E+02	2.8E+01	2.8E+01
2-Chloronaphthalene	2.6E+04	5.0E+04	2.6E+04
2-Chlorophenol	2.6E+02	2.4E+03	2.6E+02
2-Methylnaphthalene		2.5E+03	2.5E+03
2-Nitroaniline	2.0E+03	2.9E+01 ⁽⁵⁾	2.0E+03
2-Nitrophenol		4.1E+02	4.1E+02
3,3'-Dichlorobenzidine	4.3E+00	4.2E+01	4.3E+00
3-Nitroaniline		1.6E+02	1.6E+02
1,6-Dinitro-2-methylphenol		2.26E+01 ⁽⁵⁾	0.0E+00
I-Bromophenyl phenyl ether		1.1E+00	1.1E+00
I-Chloro-3-methylphenol		3.0E+03	3.0E+03
l-Chloroaniline	2.7E+03	9.5E+01 ⁽⁵⁾	2.7E+03
I-Chlorophenyl phenyl ether		8.0E-01	8.0E-01
l-Nitroaniline		6.6E+02 ⁽⁵⁾	0.0E+00
4-Nitrophenol	5.5E+03	1.1E+02	1.1E+02
Acenaphthene	3.3E+04	3.7E+04	3.3E+04
Acenaphthylene		3.7E+04	3.7E+04
Acetophenone	1.7E+03	3.3E+03	1.7E+03
Aniline	3.4E+02	9.3E+01	9.3E+01
Anthracene	1.0E+05	1.9E+05	1.0E+05
Atrazine (Aatrex)	8.6E+00	8.6E+01	8.6E+00
Benzaldehyde	6.8E+04	3.4E+02	3.4E+02

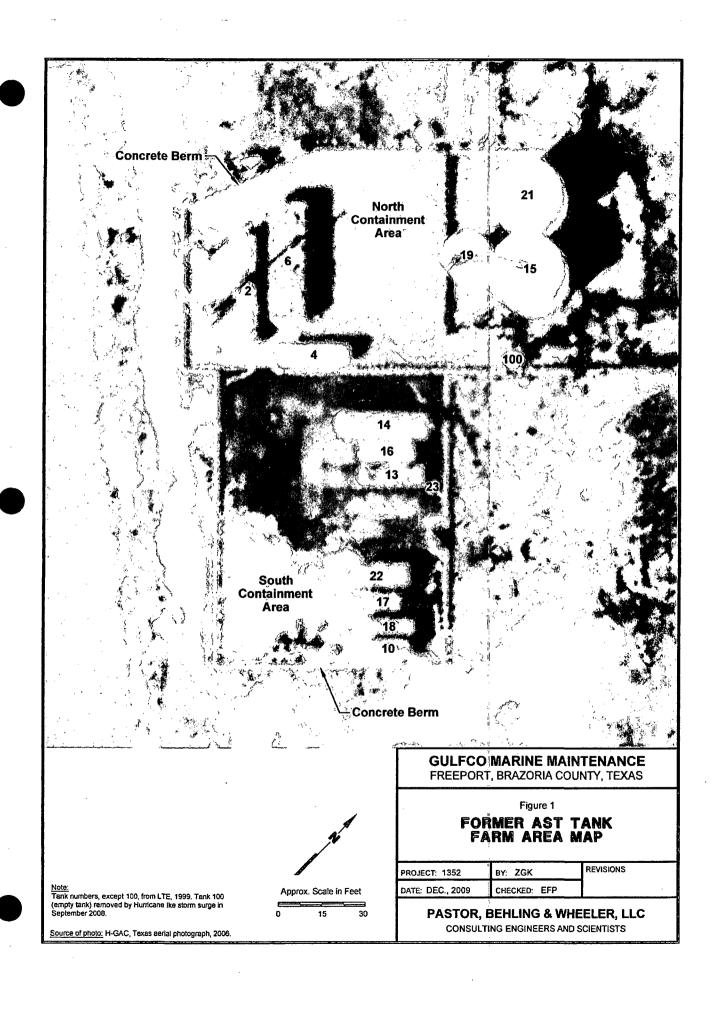
Chemicals of Interest	EPA Region 6 Soil Screening Criteria ⁽²⁾	Tot Soil _{Comb} (3)	Comparison Criteria ⁽⁴⁾
Benzidine	8.3E-03	3.3E-02	8,3E-03
Benzo(a)anthracene	2.3E+00	2.4E+01	2.3E+00
Benzo(a)pyrene	2.3E-01	2.4E+00	2.3E-01
Benzo(b)fluoranthene	2.3E+00	2.4E+01	2.3E+00
Benzo(g,h,i)perylene		1.9E+04	1.9E+04
Benzo(k)fluoranthene	2.3E+01	2.4E+02	2.3E+01
Benzoic acid	1.0E+05	5.0E+02	5.0E+02
Benzyl alcohol	1.0E+05	6.2E+03	6.2E+03
Biphenyl	2.6E+04	1.9E+02	1.9E+02
Bis(2-Chloroethoxy)methane		6.2E+00	6.2E+00
Bis(2-Chloroethyl)ether	6.2E-01	2.8E+00	6.2E-01
Bis(2-Chloroisopropyl)ether		1.1E+02	1.1E+02
Bis(2-Ethylhexyl)phthalate	1.4E+02	5.6E+02	1.4E+02
Butyl benzyl phthalate	2.4E+02	1.0E+04 ⁽⁵⁾	2.4E+02
Caprolactam	1.0E+05	2.3E+02	2.3E+02
Carbazole	9.6E+01	9.5E+02	9.6E+01
Chrysene	2.3E+02	2.4E+03	2.3E+02
Dibenz(a,h)anthracene	2.3E-01	2.4E+00	2.3E-01
Dibenzofuran	1.7E+03	2,7E+03	1.7E+03
Diethyl phthalate	1.0E+05	2.0E+03	2.0E+03
Dimethyl phthalate	1.0E+05	9.3E+02	9.3E+02
Di-n-butyl phthalate	6.8E+04	1.6E+04	1.6E+04
Di-n-octyl phthalate	2.7E+04	1.3E+04 ⁽⁵⁾	2.7E+04
Fluoranthene	2.4E+04	2.5E+04	2.4E+04
Fluorene	2.6E+04	2.5E+04	2.5E+04
Hexachlorobenzene	1.2E+00	6.9E+00	1.2E+00
Hexachlorocyclopentadiene	4.1E+03	1.0E+01 ·	1.0E+01
Hexachloroethane	1.4E+02	5.2E+02	1.4E+02
Indeno(1,2,3-cd)pyrene	2.3E+00	2.4E+01	2,3E+00
Isophorone	2.0E+03	1.9E+03	1.9E+03
Nitrobenzene	1.1E+02	5.7E+01 ⁽⁵⁾	1.1E+02
n-Nitrosodimethylamine	3.8E-02	1.3E-01	3.8E-02
n-Nitrosodi-n-propylamine	2.7E-01	1.4E+00	2.7E-01
n-Nitrosodiphenylamine	3.9E+02	1.9E+03	3.9E+02
o-Cresol	3.4E+04	1.9E+03	1.9E+03
Pentachlorophenol	1.0E+01	1.1E+02	1.0E+01
Phenanthrene		1.9E+04	1.9E+04
Phenol	1.0E+05	2.4E+03	2.4E+03
Pyrene	3.2E+04	1.9E+04	1.9E+04
Pyridine	6.8E+02	1.4E+02	1.4E+02

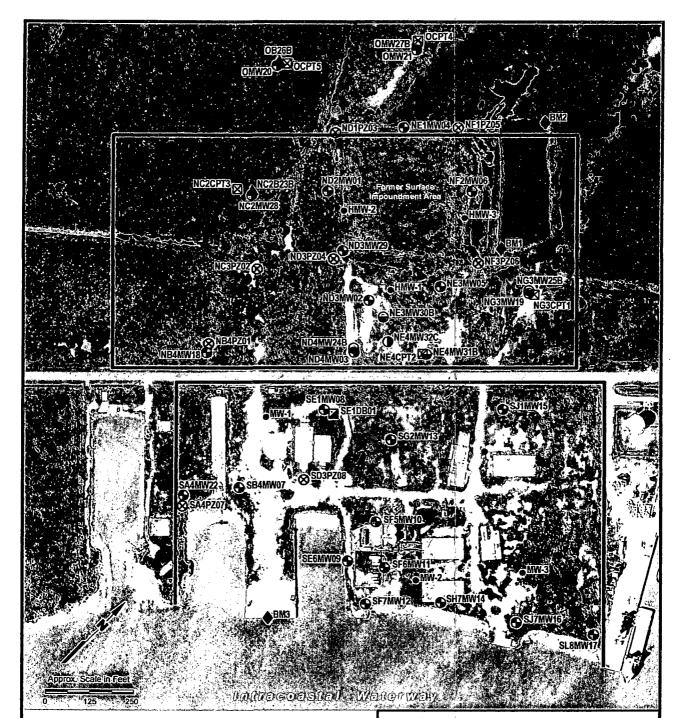
#### Notes:

All values in mg/kg.
 From EPA's "Region 6 Human Health Medium-Specific Screening Levels 2004-2005". Industrial Outdoor Worker.

^{3.} Tot Soil Comb PCL = TCEQ Protective Concentration Level for 30 acre source area Commercial/Industrial total soil combined pathway (includes inhalation; ingestion; dermal pathways).

 ^{4.} The lower value of the EPA Region 6 Soil Screening Criteria and the Tot Soil_{Comb} value.
 5. Updated from Table 15 of RI/FS Workplan to reflect changes in toxicity data from 2005 to 2009 indicated in TCEQ PCL tables.





### **EXPLANATION**

- Gulfco Marine Maintenance Site Boundary (approximate)
- Monitoring Well Location Zone A
- Staff Gauge
- Previous Monitoring Well
  Location
- Monitoring Well Location Zone B
- Soil Boring Location Zone B
- Monitoring Well Location Zone C
- Deep Soil Boring Location

GULFCO MARINE MAINTENANCE FREEPORT, BRAZORIA COUNTY, TEXAS

Figure 3

## MONITORING WELL LOCATIONS

PROJECT: 1352	BY: ZGK		REVISIONS
DATE: MAY, 2009	CHECKED:	EFP	

PASTOR, BEHLING & WHEELER, LLC

CONSULTING ENGINEERS AND SCIENTISTS

Source of photo: H-GAC, Texas serial photograph, 2006.

	Sample			Extent Evaluation Comparison
Sample Location	Date	Chemical of Interest	Concentration (mg/L)	Value ⁽¹⁾ (mg/L)
		Chromium	0.14J	0.1
		Endosulfan II	0.000021J	0.000009
NB4PZ01	8/3/2006	Nickel	0.14J	0.013
		Silver	0.0088J .	0.00019
) Capana	0/2/2006	Chromium	0.16	0.1
NC3PZ02	8/2/2006	Silver	0.017J	0.00019
		Benzene	0.657	0.11
NEND 10702	0/1 2/2006	Endosulfan II	0.0000103J	0.000009
ND1PZ03	8/1-2/2006	Silver	0.0099J	0.00019
		Vinyl chloride	1.22	0.2
		1,1,1-Trichloroethane	15.4	1.6
		1,1-Dichloroethene	23.5	0.7
		1,2,3-Trichloropropane	25.5J-	0.029
		1,2-Dichloroethane	58.8	0.5
		. 1,2-Dichloropropane	3.45J	0.5
		4,4'-DDE	0.00027	0.00014
		Benzene	5.39J	0.11
	8/3/2006	Chromium	0.15J	0.1
		cis-1,2-Dichloroethene	13.4	7
		Dieldrin	0.0000264J	0.000002
	·	gamma-BHC (Lindane)	0.00016J	0.000016
:		Methylene chloride	300	0.5
		Silver	. 0.012J	0.00019
`ND0N43401		Tetrachloroethene	20.5	0.5
ND2MW01		Trichloroethene	84	0.5
		1,1-Dichloroethene	2.92	0.7 ·
		1,2-Dichloroethene(Total)	19.2	0.68
	11/8/2007	Benzene	0.518J	0.11
		cis-1,2-Dichloroethene	19.2	· 7
		Vinyl chloride	0.331J	0.2
		1,1-Dichloroethene	2.35	0.7
		1,2,3-Trichloropropane	0.374J	0.029
		1,2-Dichloroethane	1.25	0.5
. *	6/18/2008	1,2-Dichloroethene(Total)	12.5	0.68
	0/10/2008	Benzene	0.375J	0.11
$\lor$		cis-1,2-Dichloroethene	12.5	7
		Methylene chloride	2.88	0.5
		Vinyl chloride	0.978J	0.2

	Sample			Extent Evaluation Comparison
Sample Location	Date	Chemical of Interest	Concentration (mg/L)	Value ⁽¹⁾ (mg/L)
		1,1,1-Trichloroethane	2.25	1.6
		1,2,3-Trichloropropane	0.497J-	0.029
		Anthracene	0.000832J	0.00018
	0/0/000	Chromium	0.15J	0.1
	8/3/2006	gamma-BHC (Lindane)	0.00019J	0.000016
		Silver	0.0063J	0.00019
		Tetrachloroethene	1.92	0.5
		Trichloroethene	6.04	0.5
		1,1,1-Trichloroethane	14	1.6
		1,2,3-Trichloropropane	1.57	0.029
		1,2-Dichloroethene(Total)	9.37	0.68
ND3MW02	11/8/2007	Benzene	0.158J	0.11
		cis-1,2-Dichloroethene	9.37	7
		Tetrachloroethene	2.1	0.5
		Trichloroethene	17.7	0.5
		1,1,1-Trichloroethane	42	1.6
		1,1-Dichloroethene	0.975J	0.7
		1,2,3-Trichloropropane	3.86J	0.029
		1,2-Dichloroethene(Total)	13.6	0.68
	6/18/2008	cis-1,2-Dichloroethene	13.6	7
		Tetrachloroethene	34.8	0.5
		Toluene	0.691J	0.48
k		Trichloroethene	76	0.5
		1,1,1-Trichloroethane	156	1.6
		1,2,3-Trichloropropane	44.3J	0.029
	,	1,2-Dichloroethane	328	0.5
	6/5/2007	Endosulfan II	0.00012J	0.000009
		gamma-BHC (Lindane)	0.00153	0.000016
		Methylene chloride	1230	0.5
`		Trichloroethene	61.2J	0.5
		1,1,1-Trichloroethane	195	1.6
		1,1-Dichloroethene	22J	0.7
•		1,2,3-Trichloropropane	53.1J ′	0.029
	11/8/2007	1,2-Dichloroethane	- 292	0.5
ND3MW29		Methylene chloride	1100	0.5
		Trichloroethene	69.4J	. 0.5
		1,1,1-Trichloroethane	234	1.6
		1,1-Dichloroethene	21.3J	0.7
	6/18/2008	1,2,3-Trichloropropane	44.4J	0.029
		1,2-Dichloroethane	347	0.5
		1,2-Dichloroethene(Total)	24.5J	. 0.68
		Benzene	5.92J	0.11
		cis-1,2-Dichloroethene	24.5J	7
		Methylene chloride	1100	0.5
		Tetrachloroethene	12.9J	0.5
		Trichloroethene	135	0.5

	Sample			Extent Evaluation Comparison
Sample Location	Date	Chemical of Interest	Concentration (mg/L)	Value ⁽¹⁾ (mg/L)
Sample Societion	24.0	1,1,1-Trichloroethane	62.7	1.6
	}	1,1-Dichloroethene	29.2	0.7
	·	-		
		1,2,3-Trichloropropane	28.2	0.029
		1,2-Dichloropropane	3.36J	0.5
		Benzene	8.24J	0.11
		Carbon tetrachloride	7.58J	0.5
ND3PZ04	7/31/2006	cis-1,2-Dichloroethene	124	7
		Heptachlor epoxide	0.000025	0.0000036
		Silver	0.005J	0.00019
	l	Tetrachloroethene	7.86J	0.5
		Toluene	4.05J	0.48
		Trichloroethene	31.7	0.5
		Vinyl chloride	5.09J	0.2
ND4MW03	8/2/2006	Silver	0.013	0.00019
		Chromium	0.11J	0.1
NE1MW04	8/3/2006	Endosulfan II	0.0000138J	0.000009
		Silver	0.014J	0.00019
		Anthracene	0.00138J	0.00018
		Ethylbenzene	0.74	0.25
	0/2/2006	Naphthalene	0.322	0.13
) TIO) 51105	8/2/2006	Phenanthrene	0.00638	0.0046
NE3MW05		Pyrene	0.000517J	0.00024
		Silver	0.001J	0.00019
		Ethylbenzene	0.273	0.25
	11/7/2007	Naphthalene	0.243	0.13
		Chromium	0.13J	0.11
NF 1PZ05	8/3/2006	Endosulfan II	0.0000148J	0.000009
		Silver	0.0085J	0.00019
	8/3/2006	1,2,3-Trichloropropane	0.214	0.029
		Endosulfan sulfate	0.0000156J	0.000009
NF2MW06		Methylene chloride	0.944	0.5
		Silver	0.0032J	0.00019
		Trichloroethene	0.506	0.5
	8/1/2006	Nickel	0.084	0.013
NF3PZ06		Silver	0.011J	0.00019
		Chromium	0.14J	0.1
	8/3/2006	Endosulfan II	0.0000309J	0.00009
SA4PZ07		Nickel	0.022J	0.013
		Silver	0.016J	0.00019
SB4MW07	8/1/2006	Silver	0.03J	0.00019

Sample Location	Sample Date	Chemical of Interest	Concentration (mg/L)	Extent Evaluation Comparison Value ⁽¹⁾ (mg/L)
CD2D700	7/11/2006	Chromium	0.15	0.1
SD3PZ08	7/31/2006	Silver	0.012J	0.00019
SE1MW08	8/2/2006	Silver	0.011	0.00019
SE6MW09	7/31/2006	Silver	0.0024J	0.00019
SF5MW10	8/1/2006	gamma-BHC (Lindane)	0.000024J	0.000016
21.2MIM 10	6/4/2007	gamma-BHC (Lindane)	0.000042J	0.000016
SF6MW11	7/31/2006	Silver	0.0099J	0.00019
SF7MW12	7/31/2006	Silver	0.0044J	0.00019
SG2MW13	8/1/2006	Silver	0.015J	0.00019
SH7MW14	7/31/2006	Silver	0.0028J	0.00019
		Endosulfan sulfate	0.000104	0.000009
SJ1MW15	8/2/2006	Heptachlor epoxide	0.0000201J	0.000036
		Silver	0.0088	0.00019
SJ7MW16	7/31/2006	Silver	0.0048J	0.00019
SL8MW17	8/3/2006	Silver	0.028J	0.00019

### Notes:

- (1) Extent Evaluation Comparison Values from Table 23.
- (2) Data qualifiers: J = estimated value. J- = estimated value, biased low.

### APPENDIX G

LABORATORY ANALYTICAL AND VALIDATION REPORTS

# **ANALYTICAL RESULTS**

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 01/03/2011

**GCAL Report** 210123108

Deliver To Pastor, Behling, Wheeler 2201 Double Creek Drive Round Rock, TX 78664

512-671-3434

Attn Eric Pastor

**Project** Gulfco Marine Maintenance Site

### CASE NARRATIVE

Client: Pastor, Behling, & Wheeler Report: 210123108

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

### **VOLATILES MASS SPECTROMETRY**

In the SW-846 8260B analysis, samples 21012310802 (N. CONTAINMENT(NW)) and 21012310803 (N. CONTAINMENT(NE)) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

### Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### Common Abbreviations Utilized in this Report

ND Indicates the result was Not Detected at the specified RDL

DO Indicates the result was Diluted Out

MI Indicates the result was subject to Matrix Interference

TNTC Indicates the result was Too Numerous To Count

TNTC Indicates the result was Too Numerous To Count SUBC Indicates the analysis was Sub-Contracted

Indicates the analysis was performed in the Field

PQL Practical Quantitation Limit
MDL Method Detection Limit
RDL Reporting Detection Limit

00:00 Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J Indicates an estimated value

U Indicates the compound was analyzed for but not detected

B (ORGANICS) Indicates the analyte was detected in the associated Method Blank

B (INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues
Technical Director
GCAL REPORT 210123108

THIS REPORT CONTAINS PAGES

# Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310801	S. CONTAINMENT	Water	12/30/2010 13:25	12/31/2010 08:50
21012310802	N. CONTAINMENT(NW)	Water	12/30/2010 13:45	12/31/2010 08:50
21012310803	N. CONTAINMENT(NE)	Water	12/30/2010 14:05	12/31/2010 08:50
21012310804	TRIP BLANK	Water	12/30/2010 14:10	12/31/2010 08:50

# Summary of Compounds Detected

GCAL ID 21012310801	Client/ID S. CONTAINMENT	Matrix Collect Date/Time Water 12/30/2010 13:25	()是"中" [17] [18] (18] (18] (18] (18] (18] (18] (18] (	ceive Date/Time 31/2010 08:50	
SW-846 82	数1500度 House 1005 House 电解器 1000 的复数的数据 1000 1000 1000		<u> </u>	in Charles a High a	
377-040 02	.000				
CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	5.66	5	0.054	ug/L
67-66-3	Chloroform	1.54J	5	0.057	ug/l
127-18-4	Tetrachloroethene	10.7	5	0.121	ug/L
79-01-6	Trichloroethene	11.1	5	0.062	ug/L
GCAL ID 21012310802	Client ID N. CONTAINMENT(NW)	Matrix Collect Date/Time	(13.51 DARTH.) 44. 1119 6.791	ceive Date/Time	
SW-846 82	60B	多的电影教育 (1964年) 1966年(1964年) 1964年(1964年) 1966年(1964年)			· · · · · · · · · · · · · · · · · · ·
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	7290	250	4.30	ug/L
71-43-2	Benzene	2000	250	2.71	ug/L
67-66-3	Chloroform	5290	250	2.83	ug/l
127-18-4	Tetrachloroethene	252	250	6.05	ug/L
79-01-6	Trichloroethene	1930	250	3.09	ug/L
GCAL ID	Client ID	Matrix	- 15 A	ceive Date/Time	
21012310803	N. CONTAINMENT(NE)	Water 12/30/2010 14:05	12/	31/2010 08:50	
SW-846 82	60B				
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	580	500	8.60	ug/L
71-43-2	Benzene	137J	500	5.42	ug/L
67-66-3	Chloroform	. 8660	500	5.65	ug/l
127-18-4	Tetrachloroethene	· 225J	500	12.1	ug/L

 GCAL ID
 Client ID
 Matrix
 Collect Date/Time
 Receive Date/Time

 21012310801
 S. CONTAINMENT
 Water
 12/30/2010:13:25
 12/31/2010:08:50

Prep Date	Prep Batch	Prep Method	Dilution 1	Analyzed 12/31/2010 19:18	By Anal RJU 4482	ytical Batch 61
CAS#	Parameter		Result	RDL	MD	L Units
107-06-2	1,2-Dichloroethane		5U	5	0.08	36 ug/l
71-43-2	Benzene		5.66	. 5	0.0	54 ug/L
67-66-3	Chloroform		1.54J	5	. 0.0	57 ug/L
127-18-4	Tetrachloroethene		10.7	5	0.12	21 ug/L
79-01-6	Trichloroethene	•	11.1	5	0.00	62 ug/l
75-01-4	Vinyl chloride		50	5	0.09	93 ug/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.8	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	. 50	51:2	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	51.2	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

GCAL ID Client ID Matrix Collect Date/Time, Receive Date/Time
21012310802: N. CONTAINMENT (NW) Water 12/30/2010 13:45: 12/31/2010 08:50

Prep Date	Prep Batch	Prep Method	Dilution 50	Analyzed 12/31/2010 19:39	By Analytica RJU 448261	l Batch
CAS#	Parameter		Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	,	- 7290	250	4.30	ug/L
71-43-2	Benzene	•	2000	250	2.71	ug/L
67-66-3	Chloroform		5290	250	2.83	ug/L
127-18-4	Tetrachioroethene		252	250	6.05	ug/L
79-01-6	Trichloroethene		1930	250	3.09	ug/L
75-01-4	Vinyl chloride		250U	250	4.65	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2590	ug/L	104	· 78 - 130
1868-53-7	Dibromofluoromethane	2500	2450	· ug/L	· 98	77 - 127
2037-26-5	Toluene d8	2500	2630	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2520	ug/L	101	71 - 127

 GCAL ID
 Client ID:
 Matrix
 Collect Date/Time
 Receive Date/Time

 21012310803
 N. CONTAINMENT (NE)
 Water
 12/30/2010 14:05
 12/31/2010 08:50

Prep Date	Prep Batch	Prep Method	Dilution 100	Analyzed 12/31/2010 20:00 .	By RJU	Analytical Bate 448261	ch
CAS#	Parameter		Result	RDL		MDL	Units
107-06-2	1,2-Dichloroethane	, ,	580	500		8.60	ug/L
71-43-2	Benzene		137J	500		5.42	ug/L
67-66-3	Chloroform		8660	500		5.65	ug/L
127-18-4	Tetrachloroethene	•	225J	500		12.1	ug/L
79-01-6	Trichloroethene		500U	500		6.18	ug/L
75-01-4	Vinyl chloride	•	500U	500		9.30	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Rec	covery R	lec Limits
460-00-4	4-Bromofluorobenzene	5000	5120	ug/L		102	78 - 130
1868-53-7	Dibromofluoromethane	5000	5250	ug/L		105	77 - 127
2037-26-5	Toluene d8	5000	5180	ug/L		104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	. 5150	ug/L	•	103	71 - 127

 GCAL ID
 Client ID
 Matrix
 Collect Date/Time
 Receive Date/Time

 21012310804
 TRIP BLANK
 Water
 12/30/2010.14:10
 12/31/2010.08:50

Prep Date	Prep Batch	Prep Method	Dilution 1	Analyz 12/31/2	zed 2010 18:58	By RJU	Analytical B 448261	atch
CAS#	Parameter		Result		RDL		MDL	Units
107-06-2	1,2-Dichloroethane	•	. 5U		5		0.086	ug/L
71-43-2	Benzene		5U	1"	. 5		0.054	ug/L
67-66-3	Chloroform		5U		5		0.057	ug/L
127-18-4	Tetrachloroethene		. 5U		5		° 0.121 ·	ug/L
79-01-6	Trichloroethene		5U	4	5		0.062	ug/L
75-01-4	Vinyl chloride		<b>5</b> U	7	. 5		0.093	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec		Units	% Re	covery	Rec Limits
460-00-4	4-Bromofluorobenzene	50 [.]	47.9		ug/L		96	78 - 130
1868-53-7	Dibromofluoromethane	50	49.1		ug/L		98	77 - 127
2037-26-5	Toluene d8	50	52.7		ug/L		105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ŧ	ug/L		101	71 - 127

## GC/MS Volatiles Quality Control Summary

Analytical Bat	ch 448261	Client ID	MB448261			LCS448261			LCSD448261			
Prep Bate	ch N/A	GCAL ID	909344			909345			909346			
	•	Sample Type	Method Blank			LCS			LCSD			
1		Analytical Date	12/31/2010 17:55			12/31/2010 16:44			12/31/2010 17:05			
		Matrix	Water		•	Water			Water			
	SW-846 826	60B	Units Result	ug/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
67-66-3	. Chloroform		5U	5	50.0	46.2	92	75 - 122	45.7	91	1	30
107-06-2	1,2-Dichloroeth	iane in	5Ú-	5	50.0	45.1	90	71 - 129	44.8	90	0.7	30
127-18-4	Tetrachloroeth	ene	5U	5	50.0	49.6	99	68 - 128	49.4	. 99	0.4	30
75-01-4	Vinyl chloride		5U	5	50.0	49.1	98	68 - 132	48.9	98	0.4	30
75-35-4	1,1-Dichloroeth	nene	- 5U	5	50.0	49.0	98	69 - 129	48.3	97	1	. 20
71-43-2	Benzene		5U	5	50.0	48.5	97	70 <u>.</u> 129	48.2	96	0.6	20
79-01-6	Trichloroethen	е	5U	5	50.0	47.3	95	76 - 129	47.7	95	0.8	20
108-88-3	Toluene		5U	5	50.0	47.5	95	72 - 120	48.2	96	1	20
108-90-7	Chlorobenzene		5U	5	50.0	47.9	96	74 - 123	47.7	95	0.4	20
Surrogate	•											1
460-00-4	4-Bromofluorol	benzene	47.8	96	50	49.7	99	78 - 130	49.4	99		
1868-53-7	Dibromofluoror	methane	48.7	97	50	49.3	99	77 - 127	49.3	99		
2037-26-5	Toluene d8		52.5	105	50	49.6	99	76 - 134	50.1	100		
17060-07-0	1,2-Dichloroeth	nane-d4	49.1	98	50	48.9	98	71 - 127	48.9	98		





	CHAIR	N OF GUILDY	Y MECORD	·	
GULF COAST ANALYTICAL LABORATORIES, INC 7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 Phone 225.769.4900 • Fax 225.767.5717	Lab use only PASTOR, BEHUN Clien	C & WHELER It Name	9982 Client #	210123168 Workorder#	1/04/11 Due Date
Report to:  Client: Paster Behling & Wheeler  Address: 2701 Down & Creek Dr. 8  Round Rock TX 78664  Contact: Eric Pastor  Phone: (572) 671-3434  Fax: 612) 671-3446  P.O. Number Project Name/Number  15978 Gulfco /15979  Sampled By:	Contact: Phone: Fax:		dichloraethane  Alchoraethylene  Alchoraethylene		□no □no 3,8°∠
W 4 1405 X N. Contain	inment noment (NW) ument (NE)	Preservatives Containers  (+CL 3  (+CL 3  (+CL 3  (+CL 3  (+CL 3  (+CL 3  (+CL 3	X X X X X X X X X X X X X X X X X X X	Remarks:	Lab ID /
W V 1410 X Trip31ux		Nous 3			
Relinquished by: (Signature)  Received by:  Relinquished by: (Signature)  Received by:  Received by:	(Signature) Date	7 Time: 8:50	Note:	ree to the terms and	36. 1.408

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.



## **ANALYTICAL RESULTS**

**PERFORMED BY** 

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 01/18/2011

**GCAL Report** 211011405

Deliver To Pastor, Behling, Wheeler 2201 Double Creek Drive Round Rock, TX 78664 512-671-3434

Attn Eric Pastor

Project GULFCO AST Removal

#### CASE NARRATIVE

Client: Pastor, Behling, Wheeler Report: 211011405

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### **VOLATILES MASS SPECTROMETRY**

In the SW-846 8260B analysis, samples 21101140501 (T-15-F), 21101140502 (T-15-F MS), 21101140503 (T-15-F MSD), 21101140504 (T-21-F), 21101140505 (NC-0-0.3), 21101140506 (T-2-WEST), 21101140507 (T-6-FLOOR), 21101140508 (T-6-EAST), 21101140509 (T-6-SOUTH), 21101140510 (T-6-NORTH), 21101140511 (BLIND DUP), 21101140512 (SC-W), and 21101140513 (SC-E) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

In the SW-846 8260B analysis for analytical batch 449013, the MS/MSD exhibited recovery and RPD failures. All LCS/LCSD recoveries and RPDs are acceptable.

#### SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, sample 21101140504 (T-21-F) had to be diluted to bracket the concentration of a target compound within the calibration range of the instrument. The recoveries for the surrogates are reported as D, diluted out for the diluted run performed on this sample.

In the SW-846 8270C analysis of prep batch 448916, the MS/MSD and LCS/LCSD recoveries are below the lower control limit for Benzaldehyde.. The LCS/LCSD RPD is above the control limit for Aniline. These are poor performing compounds so no corrective action was taken.

In the SW-846 8270C analysis for prep batch 448924, the LCS/LCSD exhibited recoveries above the established control limits for Aniline and Benzaldehyde. These are poor performing compounds that were not detected in the associated samples.

### **Laboratory Endorsement**

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### Common Abbreviations Utilized in this Report

ND Indicates the result was Not Detected at the specified RDL

DO Indicates the result was Diluted Out

MI Indicates the result was subject to Matrix Interference
TNTC Indicates the result was Too Numerous To Count

SUBC Indicates the analysis was Sub-Contracted Indicates the analysis was performed in the Field

PQL Practical Quantitation Limit
MDL Method Detection Limit
RDL Reporting Detection Limit

00:00 Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J Indicates an estimated value

U Indicates the compound was analyzed for but not detected

B (ORGANICS) Indicates the analyte was detected in the associated Method Blank

B (INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues / / Technical Director

GCAL REPORT 211011405

THIS REPORT CONTAINS  $\cancel{277}$  PAGES.

# Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21101140501	T-15-F ;	Solid	01/13/2011 14:00	01/14/2011 09:15
21101140502	T-15-F MS	Solid	01/13/2011 14:00	01/14/2011 09:15
21101140503	T-15-F MSD	Solid	01/13/2011 14:00	01/14/2011 09:15
21101140504	T-21-F	Solid	01/13/2011 14:45	01/14/2011 09:15
21101140505	NC-0-0.3	Solid	01/13/2011 14:55	01/14/2011 09:15
21101140506	T-2-WEST	Solid	01/13/2011 15:05	01/14/2011 09:15
21101140507	T-6-FLOOR	Solid	01/13/2011 15:35	01/14/2011 09:15
21101140508	T-6-EAST	Solid	01/13/2011 15:55	01/14/2011 09:15
21101140509	T-6-SOUTH	Solid	01/13/2011 16:15	01/14/2011 09:15
21101140510	T-6-NORTH	Solid	01/13/2011 16:25	01/14/2011 09:15
21101140511	BLIND DUP	Solid	01/13/2011 00:00	01/14/2011 09:15
21101140512	SC-W	Solid	01/13/2011 16:45	01/14/2011 09:15
21101140513	SC-E	Solid	01/13/2011 16:55	01/14/2011 09:15
21101140514	EQUIPMENT BLANK	Water	01/13/2011 17:10	01/14/2011 09:15
21101140515	TRIP BLANK 1	Water	01/13/2011 17:15	01/14/2011 09:15
21101140516	TRIP BLANK 2	Water	01/13/2011 17:20	01/14/2011 09:15

SAMPLE NO.

T-15-F

Lab Name: GCA	AL Contr	act:		·		
Lab Code: LA02	4 Case No.:		SAS No.:		SDG No.: 211011	405
Matrix: (soil/water)	Solid			· .		
Sample wt/vol: 6	i.18 (g/ml) g		Lab Sample ID:	211011405	01	
Level: (low/med)	LOW		Lab File ID: 211	10116/a8965	<b>;</b>	
	ec. 16.2		Date Collected:	01/13/11	Time: _14	00
GC Column: RT)	K-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
Instrument ID: M	SV11		Date Analyzed:	01/16/1:1	Time: 11	18
Soil Extract Volum	le:	(µL	Dilution Factor:	50	Analyst:	RJU
·	e:		Prep Batch:			Batch: 449013
			Analytical Method	d: SW-846	8260	
	ON UNITS: mg/kg					
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		0.241	υ	0.00507	0.241
71-55-6	1,1,1-Trichloroethane		0.241	U	0.011	0.241
79-34-5	1,1,2,2-Tetrachloroethane		0.241	U	0.013	0.241
79-00-5	1,1,2-Trichloroethane		0.241	U	0.011	0.241
75-34-3	1,1-Dichloroethane		0.241	U	0.016	0.241
75-35-4	1,1-Dichloroethene		0.241	U,	0.032	0.241
563-58-6	1,1-Dichloropropene		0.241	U	0.010	0.241
96-18-4	1,2,3-Trichloropropane		0.097	U	0.017	0.097
120-82-1	1,2,4-Trichlorobenzene		0.241	Ų	0.015	0.241
95-63-6	1,2,4-Trimethylbenzene		0.241	U	0.014	0.241
96-12-8	1,2-Dibromo-3-chloropropane		0.241	Ų	0.039	0.241
106-93-4	1,2-Dibromoethane		0.241	U	0.012	0.241 👶
95-50-1	1,2-Dichlorobenzene		0.241	Ų	0.016	0.241
107-06-2	1,2-Dichloroethane		0.241	Ų	0.00633	0.241
78-87-5	1,2-Dichloropropane		0.241	U	0.00522	0.241
108-67-8	1,3,5-Trimethylbenzene		0.241	Ų	0.012	0.241
541-73-1	1,3-Dichlorobenzene		0.241	ַט	0.015	0.241
142-28-9	1,3-Dichloropropane		0.241	Ü	0.00865	0.241
106-46-7	1,4-Dichlorobenzene		0.241	Ų	0.020	0.241
594-20-7	2,2-Dichloropropane		0.241	ט	0.056	0.241
78-93-3	2-Butanone		0.241	Ų	0.029	0.241
110-75-8	2-Chloroethylvinyl ether		0.241	Ü	0.011	0.241
95-49-8	2-Chlorotoluene		0.241	Ü	0.013	0.241
591-78-6	2-Hexanone		0.241	U	0.016	0.241
106-43-4	4-Chlorotoluene		0.241	Ų	0.015	0.241
99-87-6	4-Isopropyltoluene		0.241	U	0.013	0.241
108-10-1	4-Methyl-2-pentanone		0.241	Ü	0.016	0.241
67-64-1	Acetone		1.21	U	0.051	1.21
107-02-8	Acrolein		1.21	Ų	0.097	1.21
107-13-1	Acrylonitrile		1.21	Ų	0.052	1.21
71-43-2	Benzene		0.241	Ų	0.00662	0.241

SAMPLE NO.

7	Γ-15-F	

Lab Name: GC	AL Contract:				
	24 Case No.:				405
Matrix: (soil/wate		_			,
Sample wt/vol:	6.18 (g/ml) g	Lab Sample ID:	211011405	01	
.evel: (low/med)	LOW	Lab File ID: 211	I0116/a8965		
	dec. 16.2		01/13/11	Time: 14	00
	TX-VMS-30 ID: .25 (mm				
nstrument ID:		Data Anah — . d.	~		18
-		-		······································	
	me: (µL	•		Analyst: _l	
oil Aliquot Volur	me: (µL	Prep Batch:		Analytical I	Batch: 449013
CONCENTRAT	TION UNITS: mg/kg	Analytical Method	d: <u>SW-846</u>	8260	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.241	Ū	0.015	0.241
75-27-4	Bromodichloromethane	0.241	U	0.00724	0.241
75-25-2	Bromoform	0.241	U	0.011	0.241
74-83-9	Bromomethane	0.241	U	0.071	0.241
75-15-0	Carbon disulfide	0.241	U	0.022	0.241
56-23-5	Carbon tetrachloride	0.241	U	0.011	0.241
108-90-7	Chlorobenzene	0.241	U	0.00908	0.241
75-00-3	Chloroethane	0.241	U	0.032	0.241
67-66-3	Chloroform	0.638		0.012	0.241
74-87-3	Chloromethane	0.241	U	0.037	0.241
110-82-7	Cyclohexane	0.241	U	0.00850	0.241
124-48-1	Dibromochloromethane	0.241	U	0.00676	0.241
74-95-3	Dibromomethane	0.241	U	0.015	0.241
75-71-8	Dichlorodifluoromethane	0.241	U	0.00536	0.241
100-41-4	Ethylbenzene	0.241	U	0.00995	0.241
87-68-3	Hexachlorobutadiene	0.241	U	0.011	0.241
98-82-8	Isopropylbenzene (Cumene)	0.241	U	0.00942	0.241
79-20-9	Methyl Acetate	0.241	U	0.017	0.241
74-88-4	Methÿl iodide	0.241	Ų	0.063	0.241
108-87-2	Methylcyclohexane	0.241	Ü	0.00792	0.241
75-09-2	Methýlene chloride	0.483	U	0.017	0.483
91-20-3	Naphthalene	0.241	U	0.040	0.241
100-42-5	Styrene	0.241	U	0.013	0.241
127-18-4	Tetrachloroethene	0.241	Ü	0.010	0.241
108-88-3	Toluene	0.241	U	0.00966	0.241
79-01-6	Trichloroethene	0.112	J	0.011	0.241
75-69-4	Trichlorofluoromethane	0.241	U	0.00647	0.241
76-13-1	Trichlorotrifluoroethane	0.241	U	0.056	0.241
108-05-4	Vinylacetate	0.241	U	0.011	0.241
75-01-4	Vinyl chloride	0.241	U	0.00652	0.241
1330-20-7	Xylene (total)	0.483	U	0.033	0.483
156 50 2	oic 1.2 Dichloroothone	0.109	1 7	0.00931	0.241

SA	MPLE	NO.
	T-15-F	

Lab Name: GC	AL C	ontract:				
Lab Code: LA0	24 Case No.:		SAS No.:		G No.: 211011	1405
Matrix: (soil/wate	r) Solid		· _			
Sample wt/vol:	6.18 (g/ml) g		Lab Sample ID:	21101140501		,
_evel: (low/med)	LOW		Lab File ID: 21	10116/a8965		
	dec. 16.2		Date Collected:	01/13/11	Time: 14	100
	TX-VMS-30 ID: .25		,			
	MSV11		Date Analyzed:	01/16/11	Time: 11	118
	me:		Dilution Factor:	50	Analyst:	
	me:		Prep Batch:		······································	Batch: 449013
	TION UNITS: mg/kg		Analytical Metho	d: SW-846 826	0	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		0.241	U	0.00700	0.241
136777-61-	m,p-Xylene		0.241	U	0.024	0.241
71-36-3	n-Butyl alcohol		1.21	U	0.884	1.21
104-51-8	n-Butylbenzene		0.241	U	0.017	0.241
103-65-1	n-Propylbenzene		0.241	U	0.013	0.241
95-47-6	o-Xylene	3, **	0.241	U	0.00913	0.241
135-98-8	sec-Butylbenzene		0.241	U,	0.012	0.241
1634-04-4	tert-Butyl methyl ether (MTB	E)	0.241	U	0.00807	0.241
98-06-6	tert-Butylbenzene		0.241	U	0.011	0.241
156-60-5	trans-1,2-Dichloroethene		0.241	Ų	0.00976	0.241
10061-02-6	trans-1,3-Dichloropropene	<del></del>	0.241	U	0.011	0.241
110 57 6	tropp 4.4 Diablass 2 history		0.244	<del>                                     </del>	0.027	0.244

SAMPLE NO.

T-15-F MS

Lab Name: GC	CAL Cont	ract:				
Lab Code: LA0						1405
Matrix: (soil/wate					,	
Sample wt/voi:	4.91 (g/ml) g		Lab Sample ID:	2110114050	)2	•
	LOW		Lab File ID: 21			
						400
	dec. 16.2		Date Collected:	***************************************	Time: _1	400
GC Column: R1	TX-VMS-30 ID: .25	- (mm	Date Received:	01/14/11	·	
nstrument ID: _N	MSV11		Date Analyzed:	01/16/11	Time: _1	401
Soil Extract Volu	me:	/ uL	Dilution Factor:	50	Analyst:	RJU
		•••	·			
Soil Aliquot Volur	me:	_ ( µL	Prep Batch:		Analytica	I Batch: _449013
CONCENTRAT	rion units: mg/kg		Analytical Method	d: <u>SW-846</u> 8	3260	
			DECLUT	0	MDL.	DI ·
CAŞ NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		2.97	T	0.00638	0.304
71-55-6	1,1,1-Trichloroethane		2.93		0.014	0.304
79-34-5	1,1,2,2-Tetrachloroethane		2.77		0.017	0.304
79-00-5	1,1,2-Trichloroethane		2.71		0.014	0.304
75-34-3	1,1-Dichloroethane		2.97		0.020	0.304
75-35-4	1,1-Dichloroethene		2.94	<b>†</b>	0.041	0.304
563-58-6	1,1-Dichloropropene		2.95	· · · ·	0.013	0.304
96-18-4	1,2,3-Trichloropropane		2.58		0.021	0.122
120-82-1	1,2,4-Trichlorobenzene	·	2.71		0.019	0.304
95-63-6	1,2,4-Trimethylbenzene		3.01		0.018	0.304
96-12-8	1,2-Dibromo-3-chloropropane		2.53		0.049	0.304
106-93-4	1,2-Dibromoethane		2.75		0.015	0.304
95-50-1	1,2-Dichlorobenzene		2.96		0.020	0.304
107-06-2	1,2-Dichloroethane	-	2.85	1.	0.00796	0.304
78-87-5	1,2-Dichloropropane		3.00		0.00657	0.304
108-67-8	1,3,5-Trimethylbenzene		3.01		0.015	0.304
541-73-1	1,3-Dichlorobenzene		2.98		0.019	0.304
142-28-9	1,3-Dichloropropane		2.79		0.011	0.304
106-46-7	1,4-Dichlorobenzene		3.00		0.025	0.304
594-20-7	2,2-Dichloropropane		2.91		0.071	0.304
78-93-3	2-Butanone		2.73		0.037	0.304
110-75-8	2-Chloroethylvinyl ether		2.18		0.014	0.304
95-49-8	2-Chlorotoluene		3.01		0.016	0.304
591-78-6	2-Hexanone		2.71		0.021	0.304
106-43-4	4-Chlorotoluene		3.03		0.019	0.304
99-87-6	4-Isopropyltoluene		2.95		0.016	0.304
108-10-1	4-Methyl-2-pentanone		2.57		0.021	0.304
67-64-1	Acetone		2.84		0.064	1.52
107-02-8	Acrolein		1.05	J	0.122	1.52
107-13-1	Acrylonitrile		13.0		0.065	1.52
71-43-2	Benzene		3.10		0.00833	0.304

SAMPLE NO.

T-15-F MS

CONCENTRATION UNITS:         mg/kg         Analytical Method:         SW-846 8260           CAS NO.         COMPOUND         RESULT         Q         MDL           108-86-1         Bromobenzene         3.02         0.018           75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	1405
Matrix: (soil/water)         Solid           Sample wt/vol:         4.91         (g/ml)         g         Lab Sample ID:         21101140502           Level: (low/med)         LOW         Lab File ID:         2110116/a8972           % Moisture: not dec.         16.2         Date Collected:         01/13/11         Time:         1           GC Column:         RTX-VMS-30         ID:         .25         (mm         Date Received:         01/14/11         Time:         1           Instrument ID:         MSV11         Date Analyzed:         01/16/11         Time:         1           Soil Extract Volume:         ( μL         Dilution Factor:         50         Analyst:           Soil Aliquot Volume:         ( μL         Prep Batch:         Analytical           CONCENTRATION UNITS:         mg/kg         MDL           108-86-1         Bromobenzene         3.02         0.018           75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tet	
Level: (low/med)       LOW       Lab File ID:       2110116/a8972         % Moisture: not dec.       16.2       Date Collected:       01/13/11       Time:       1         GC Column:       RTX-VMS-30       ID:       .25       (mm       Date Received:       01/14/11       01/14/11       Time:       1         Instrument ID:       MSV11       Date Analyzed:       01/16/11       Time:       1         Soil Extract Volume:       (μL       Dilution Factor:       50       Analyst:         Soil Aliquot Volume:       (μL       Prep Batch:       Analytical         CONCENTRATION UNITS:       mg/kg       MDL         108-86-1       Bromobenzene       3.02       0.018         75-27-4       Bromodichloromethane       2.97       0.00912         75-25-2       Bromoform       2.77       0.014         74-83-9       Bromomethane       2.78       0.089         75-15-0       Carbon disulfide       2.94       0.028         56-23-5       Carbon tetrachloride       2.90       0.014	
Level: (low/med)       LOW       Lab File ID:       2110116/a8972         % Moisture: not dec.       16.2       Date Collected:       01/13/11       Time:       1         GC Column:       RTX-VMS-30       ID:       .25       (mm       Date Received:       01/14/11       01/14/11       Time:       1         Instrument ID:       MSV11       Date Analyzed:       01/16/11       Time:       1         Soil Extract Volume:       (μL       Dilution Factor:       50       Analyst:         Soil Aliquot Volume:       (μL       Prep Batch:       Analytical         CONCENTRATION UNITS:       mg/kg       MDL         108-86-1       Bromobenzene       3.02       0.018         75-27-4       Bromodichloromethane       2.97       0.00912         75-25-2       Bromoform       2.77       0.014         74-83-9       Bromomethane       2.78       0.089         75-15-0       Carbon disulfide       2.94       0.028         56-23-5       Carbon tetrachloride       2.90       0.014	
% Moisture: not dec.         16.2         Date Collected:         01/13/11         Time:         1           GC Column:         RTX-VMS-30         ID:         .25         (mm         Date Received:         01/14/11 <td></td>	
Date Received: 01/14/11   Date Received: 01/14/11   Date Received: 01/14/11   Date Received: 01/16/11   Time: 1   Date Received: 01/16/11   Date Rece	400
Date Analyzed: 01/16/11   Time: 1	
CONCENTRATION UNITS: mg/kg   CAS NO. COMPOUND   RESULT   Q MDL	
CONCENTRATION UNITS:         mg/kg         Analytical Method:         SW-846 8260           CAS NO.         COMPOUND         RESULT         Q         MDL           108-86-1         Bromobenzene         3.02         0.018           75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	RJU
CONCENTRATION UNITS:         mg/kg         Analytical Method:         SW-846 8260           CAS NO.         COMPOUND         RESULT         Q         MDL           108-86-1         Bromobenzene         3.02         0.018           75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	Il Batch: 449013
CAS NO.         COMPOUND         RESULT         Q         MDL           108-86-1         Bromobenzene         3.02         0.018           75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	
108-86-1         Bromobenzene         3.02         0.018           75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	D.
75-27-4         Bromodichloromethane         2.97         0.00912           75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	RL
75-25-2         Bromoform         2.77         0.014           74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	0.304
74-83-9         Bromomethane         2.78         0.089           75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	0.304
75-15-0         Carbon disulfide         2.94         0.028           56-23-5         Carbon tetrachloride         2.90         0.014	0.304
56-23-5 Carbon tetrachloride 2.90 0.014	0.304
	0.304
204	0.304
108-90-7   Chlorobenzene   3.01   0.011	0.304
75-00-3 Chloroethane 2.64 0.040	0.304
67-66-3 Chloroform 2.96 0.015	0.304
74-87-3 Chloromethane 2.63 0.046	0.304
110-82-7 Cyclohexane 3.00 0.011	0.304
124-48-1 Dibromochloromethane 2.84 0.00851	0.304
74-95-3 Dibromomethane 2.81 0.019	0.304
75-71-8 Dichlorodifluoromethane 2.75 0.00675	0.304
100-41-4 Ethylbenzene 2.94 0.013	0.304
87-68-3 Hexachlorobutadiene 2.76 0.014	0.304
98-82-8   Isopropylbenzene (Cumene) 2.91 0.012	0.304
79-20-9 Methyl Acetate 2.76 0.021	0.304
74-88-4 Methyl iodide 3.14 0.080	0.304
108-87-2 Methylcyclohexane 2.88 0.00997	0.304
75-09-2 Methylene chloride 2.85 0.021	0.608
91-20-3 Naphthalene 2.42 0.050	0.304
100-42-5 Styrene 3.08 0.016	0.304
127-18-4 Tetrachloroethene 2.89 0.013	0.304
108-88-3 Toluene 3.02 0.012	0.304
79-01-6 Trichloroethene 2.96 0.014	0.304
75-69-4 Trichlorofluoromethane 2.96 0.00815	0.304
76-13-1 Trichlorotrifluoroethane 2.90 0.070	0.304
108-05-4 Vinyl acetate 2.13 0.013	0.304
75-01-4 Vinyl chloride 2.76 0.00821	0.304
1330-20-7 Xylene (total) 8.97 0.042	0.504
156-59-2 cis-1,2-Dichloroethene 2.96 0.010	0.608

SAMPLE NO.

T-15-F MS

Lab Name: GC	CAL Cont	ract:		*		
ab Code: LAC	024 Case No.:		SAS No.:	SDG.No.	: 2110	11405
/latrix: (soil/wate	er) Solid		·			
Sample wt/vol:	4.91 (g/ml) g		Lab Sample ID:	21101140502		·.
	LOW			10116/a8972		
	dec. 16.2			01/13/11	Time:	1400
	TX-VMS-30 ID: .25			01/14/14/4		
	MSV11			01/16/11		
Soil Extract Volu	me:	_ (բև	Dilution Factor:	50	Analyst:	RJU
	me:		Prep Batch;		Analytic	al Batch: _449013
CONCENTRAT	TION UNITS: mg/kg		Analytical Metho	d: SW-846 8260		
CAS NO.	COMPOUND		RESULT	Q M	DL	RL
10061-01-5	cis-1,3-Dichloropropene		2.96	0.0	0881	0.304
136777-61-	m,p-Xylene	,	5.97	0	.031	0.304
104-51-8	n-Butylbenzene	1	2.95	0.	021	0.304
103-65-1	n-Propylbenzene		3.01	0.	.016	0.304
95-47-6	o-Xylene		3.00	. 0.	.011	0.304
135-98-8	sec-Butylbenzene	·	2.97	0.	015	0.304
1634-04-4	tert-Bûtyl methyl ether (MTBE)		2.77	0.	010	0.304
98-06-6	tert-Butylbenzene		2.97	0.	.014	0.304
156-60-5	trans-1,2-Dichloroethene		2.97	0.	.012	0.304
10061-02-6	trans-1,3-Dichloropropene		2.88	0.	.013	0.304
110-57-6	trans-1.4-Dichloro-2-butene		2.67	0.	.035	0.304

SAMPLE NO.

T-15-F MSD

lah Namas C			•	1		
	CAL Cont					
ab Code: LA	024 Case No.:		SAS No.:		SDG No.: 211011	405 .
/latrix: (soil/wate	er) Solid			i		
	6.03 (g/ml) g		Lah Sample ID:	211011405	03	
				:		
evei: (low/med)	) LOW	·	Lab File ID: 21	10116/289/3		
6 Moisture: not	dec. 16.2		Date Collected:	01/13/11	Time: _14	00
GC Column: R	RTX-VMS-30 ID: .25	(mm	Date Received:	01/14/11		·
nstrument ID:	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	-	Date Analyzed:			25
~			•		•	
oil Extract Volu	ıme:	_ (µL	Dilution Factor:	50	Analyst:	RJU
oil Aliquot Volu	ıme:	(µL	Prep Batch:	li .	Analytical	Batch: 449013
	-	<del>-</del>	Analytical Metho			
CONCENTRA	TION UNITS: mg/kg		r mary troat metho	311 070		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		2.38	1	0.00520	0.247
71-55-6	1,1,1-Trichloroethane		2.30	<del>-</del>	0.00320	0.247
79-34-5	1,1,2,2-Tetrachloroethane	·	2.36		0.014	0.247
79-00-5	1,1,2-Trichloroethane		2.27	it ii	0.012	0.247
75-34-3	1,1-Dichloroethane		2.34	<del>                                     </del>	0.016	0.247
75-35-4	1,1-Dichloroethene		2.28	<del> </del>	0.033	0.247
563-58-6	1,1-Dichloropropene		2.30	<del>                                     </del>	0.010	0.247
96-18-4	1,2,3-Trichloropropane		2.21	<del>                                     </del>	0.017	0.099
120-82-1	1,2,4-Trichlorobenzene		2.30	·	0.015	0.247
95-63-6	1,2,4-Trimethylbenzene		2.34	<del></del>	0.015	0.247
96-12-8	1,2-Dibromo-3-chloropropane		2.30		0.040	0.247
106-93-4	1,2-Dibromoethane		2.28	1	0.012	0.247
95-50-1	1,2-Dichlorobenzene		2.39		0.016	0.247
107-06-2	1,2-Dichloroethane	<del>`</del>	2.33		0.00648	0.247
78-87-5	1,2-Dichloropropane	· · · · · · · · · · · · · · · · · · ·	2.34		0.00535	0.247
108-67-8	1,3,5-Trimethylbenzene		2.34		0.012	0.247
541-73-1	1,3-Dichlorobenzene		2.35	1	0.016	0.247
142-28-9	1,3-Dichloropropane		2.30		0.00886	0.247
106-46-7	1,4-Dichlorobenzene		2.36		0.020	0.247
594-20-7	2,2-Dichloropropane		2.24		0.057	0.247
78-93-3	2-Butanone		2.54		0.030	0.247
110-75-8	2-Chloroethylvinyl ether		. 1.91		0.012	0.247
95-49-8	2-Chlorotoluene		2.36		0.013	0.247
591-78-6	2-Hexanone		2.55	I.	0.017	0.247
106-43-4	4-Chlorotoluene		2.35	,	0.015	0.247
99-87-6	4-Isopropyltoluene		2.32		0.013	0.247
108-10-1	4-Methyl-2-pentanone		2.39		0.017	0.247
67-64-1	Acetone		2.60		0.052	1.24
107-02-8	Acrolein		2.45		0.099	1,24
107-13-1	Acrylonitrile		11.7		0.053	1.24
71-43-2	Benzene		2.36		0.00678	0.247

SAMPLE NO.

T-15-F MSD

Lab Name: GC	AL Co	ntract:				
ab Code: LA0	24 Case No.:		SAS No.:	\$	SDG No.: 2110114	105
//atrix: (soil/wate			-			
Sample wt/vol:			l ah Sample ID:	2110114060		,
					3	
evei: (low/med)	LOW		Lab File ID: 21	10116/a8973	a ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
6 Moisture: not o	lec. 16.2		Date Collected:	01/13/11	Time: 140	00
GC Column: RT	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
	ASV11		Date Analyzed	01/16/11	Time: 142	25
		· · · · · · · · · · · · · · · · · · ·	•			
oii Extract volur	me:	(μι	Dilution Factor:		Analyst: F	
oil Aliquot Volur	me:	(µL	Prep Batch:		Analytical E	Batch: 449013
CONCENTRAT	TON UNITS: malla		Analytical Metho	od: SW-846 8	260	٠
	TION UNITS: mg/kg					
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		2.36		0.015	0.247
75-27-4	Bromodichloromethane		2.35		0.00742	0.247
75-25-2	Bromoform		2.39		0.011	0.247
74-83-9	Bromomethane		2.27		0.072	0.247
75-15-0	Carbon disulfide		2.27		0.023	0.247
56-23-5	Carbon tetrachloride		2.26	7. 7	0.012	0.247
108-90-7	Chlorobenzene		2.39		0.00931	0.247
75-00-3	Chloroethane		1.72		0.033	0.247
67-66-3	Chloroform		2.38	· ·	0.012	0.247
74-87-3	Chloromethane		2.13		0,037	0.247
110-82-7	Cyclohexane		2.36		0.00871	0.247
124-48-1	Dibromochloromethane		2.30		0.00693	0.247
74-95-3	Dibromomethane		2.28		0.016	0.247
75-71-8	Dichlorodifluoromethane		2.13		0.00549	0.247
100-41-4	Ethylbenzene		2.29		0.010	0.247
87-68-3	Hexachlorobutadiene		2.30		0.012	0.247
98-82-8	Isopropylbenzene (Cumene)		2.33		0.00965	0.247
79-20-9	Methyl Acetate		2.48		0.017	0.247
74-88-4	Methyl iodide		2.58		0.065	0.247
108-87-2	Methylcyclohexane		2.26		0.00812	0.247
75-09-2	Methylene chloride		2.22		0.017	0.495
91-20-3	Naphthalene		2.28		0.041	0.247
100-42-5	Styrene		2.47		0.013	0.247
127-18-4	Tetrachloroethene		2.28		0.010	0.247
108-88-3	Toluene		2.39		0.00990	0.247
79-01-6	Trichloroethene		2.34		0.012	0.247
75-69-4	Trichlorofluoromethane		2.27		0.00663	0.247
76-13-1	Trichlorotrifluoroethane		2.27		0.057	0.247
108-05-4	Vinyl acetate		1.78		0.011	0.247
75-01-4	Vinyl chloride		2.18		0.00668	0.247
1330-20-7	Xylene (total)		7.04	1	0.034	0.495
156-59-2	cis-1.2-Dichloroethene		2.32		0.00851	0.247

FORM I VOA

SAMPLE NO.

T-15-F MSD

Lab Name: GC	AL Contra	act:		ļ		
Lab Code: LA0	24		SAS No.:	ī	SDG No.: 211011	405
Matrix: (soil/wate	r) Solid					
Sample wt/vol:	6.03 (g/ml) g		Lab Sample ID:	211011405	03	
	LOW		Lab File ID: 21	10116/a8973		
	lec. 16.2		Date Collected:	01/13/11	Time: _14	100
3C Column: RT	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11	·	
nstrument ID: N	MSV11		Date Analyzed:	01/16/11	Time: 14	125
Soil Extract Volur	ne:	(µL		50	Analyst:	RJU .
	me:		. Prep Batch:	. :	Analytical	Batch: 449013
CONCENTRAT	TON UNITS: mg/kg		Analytical Metho	d: <u>SW-846</u>	8260	
CAS NO.	COMPOUND	•	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		2.39	1	0.00718	0.247
136777-61-	m,p-Xylene		4.69		0.025	0.247
104-51-8	n-Butylbenzene		2.32		0.017	0.247
103-65-1	n-Propylbenzene		2.34	-	0.013	0.247
95-47-6	o-Xylene		2.35	Į.	0.00936	0.247
135-98-8	sec-Butylbenzene		2.32	1	0.012	0.247
1634-04-4	tert-Butyl methyl ether (MTBE)		2.34	, !	0.00827	0.247
98-06-6	tert-Butylbenzene		2.32	al L	0.012	0.247
156-60-5	trans-1,2-Dichloroethene		2.32		0.010	0.247
10061-02-6	trans-1,3-Dichloropropene		2.38	- 6	0.011	0.247
110-57-6	trans-1,4-Dichloro-2-butene		2.40	ľ	0.028	0.247

SAMPLE NO.

T-21-F		

Lab Name: GC/	AL Contrac	ct:				
Lab Code: LA02					 SDG No · 21101	. 1405
Matrix: (soil/water	1				ODO 110	1700
•	·				•	
	5.81 (g/ml) g		Lab Sample ID:	2110114050	04	
Level: (low/med)	LOW		Lab File ID: 21	10116/a8977		
% Moisture: not d	ec. 16.7		Date Collected:	01/13/11	Time: 1	445
GC Column: RT	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
Instrument ID: N	ISV11		Date Analyzed:	01/16/11	Time: _1	603
	ne:		Dilution Factor:			RJU
Soil Aliquot Volum	•		Prep Batch:			Batch: 449013
•	1	•	Analytical Metho	d: SW-846		
CONCENTRATI	ION UNITS: mg/kg		, many mount mounts			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		0.258	U	0.00542	0.258
71-55-6	1,1,1-Trichloroethane		0.258	U	0.012	0.258
79-34-5	1,1,2,2-Tetrachloroethane		0.258	U	0.014	0.258
79-00-5	1.1.2-Trichloroethane		0.258	U	0.012	0.258
75-34-3	1,1-Dichloroethane		0.258	U	0.017	0.258
75-35-4	1.1-Dichloroethene		0.258	<del>                                     </del>	0.034	0.258
563-58-6	1,1-Dichloropropene	·	0.258	<del>                                     </del>	0.011	0.258
96-18-4	1,2,3-Trichloropropane		0.103	T U	0.018	0.103
120-82-1	1,2,4-Trichlorobenzene		0.258	U	0.016	0.258
95-63-6	1,2,4-Trimethylbenzene		0.059	<del>                                     </del>	0.015	0.258
96-12-8	1,2-Dibromo-3-chloropropane		0.258	U	0.041	0.258
106-93-4	1,2-Dibromoethane		0.258	T U	0.012	0.258
95-50-1	1,2-Dichlorobenzene		0.258	1 0	0.017	0.258
107-06-2	1,2-Dichloroethane		0.258	U	0.00676	0.258
78-87-5	1,2-Dichloropropane		0.258	Ū	0.00558	0.258
108-67-8	1,3,5-Trimethylbenzene		0.258	U	0.012	0.258
541-73-1	1.3-Dichlorobenzene		0.258	U	0.016	0.258
142-28-9	1,3-Dichloropropane		0.258	U	0.00924	0.258
106-46-7	1,4-Dichlorobenzene		0.258	U	0.021	0.258
594-20-7	2,2-Dichloropropane		0.258	U	0.060	0.258
78-93-3	2-Butanone		0.258	U	0.031	0.258
110-75-8	2-Chloroethylvinyl ether		0.258	T U	0.012	0.258
95-49-8	2-Chlorotoluene		0.258	Ü	0.014	0.258
591-78-6	2-Hexanone		0.258	<del>                                     </del>	0.018	0.258
106-43-4	4-Chlorotoluene		0.258	T U	0.016	0.258
99-87-6	4-Isopropyltoluene		0.258	T U	0.014	0.258
108-10-1	4-Methyl-2-pentanone		0.258	<del>                                     </del>	0.018	0.258
67-64-1	Acetone		1.29	U	0.055	1.29
107-02-8	Acrolein		1.29	T U	0.103	1.29
107-13-1	Acrylonitrile		1.29	U	0.055	1.29
71-43-2	Renzene		0.258	T U	0.00707	0.258

SAMPLE NO.

T 24 F	-		
T-21-F	•		

Lab Name: GC/	<b>\L</b>	Contract:				
Lab Code: LA02			SAS No.:		SDG No.: 2110114	405
Matrix: (soil/water						
Sample wt/vol:	5.81 (g/ml) g		Lab Sample ID:	2110114050	04	
Level: (low/med)	LOW		Lab File ID: 21	10116/a8977		•
% Moisture: not de	1		Date Collected:	į		45
GC Column: RT.	X-VMS-30 ID: .25		Date Received:	01/14/11		
Instrument ID: M				i i	Time: 16	
	ne:			,	Analyst:	
	ne:			-	Analytical	
		•••	Analytical Metho			***************************************
CONCENTRATI	ON UNITS: mg/kg			<i>*</i>		,
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene	<del></del>	0.258	TU	0.016	0.258
75-27-4	Bromodichloromethane		0.258	<del>U</del>	0.00775	0.258
75-25-2	Bromoform	<del></del>	0.258	T U	0.012	0.258
74-83-9	Bromomethane	<del></del>	0.258	T U	0.075	0.258
75-15-0	Carbon disulfide		0.258	1 0	0.024	0.258
56-23-5	Carbon tetrachloride		0.258	1 0	0.012	0.258
108-90-7	Chlorobenzene		0.258	<del>                                     </del>	0.00971	0.258
75-00-3	Chloroethane		0.258	<del>                                     </del>	0.034	0.258
67-66-3	Chloroform		0.286		0.034	0.258
74-87-3	Chloromethane		0.258	U	0.039	0.258
110-82-7	Cyclohexane	<del></del>	0.108	<u> </u>	0.00909	0.258
124-48-1	Dibromochloromethane		0.258	U	0.00723	0.258
74-95-3	Dibromomethane		0.258	<del>                                     </del>	0.016	0.258
75-71-8	Dichlorodifluoromethane	<del></del>	0.258	<del>"</del>	0.00573	0.258
100-41-4	Ethylbenzene		0.258	l ü	0.00373	0.258
87-68-3	Hexachlorobutadiene	· <del></del> .	0.179	<del>                                     </del>	0.011	0.258
98-82-8	Isopropylbenzene (Cumen	9):	0.236	<del>                                     </del>	0.012	0.258
79-20-9	Methyl Acetate	<del></del>	0.258	U	0.018	0.258
74-88-4	Methyl iodide		0.258	1 0	0.068	0.258
			0.258	<del>                                     </del>	0.00847	0.258
108-87-2 75-09-2	Methylcyclohexane Methylene chloride		0.516	U	0.018	0.516
91-20-3	Naphthalene	<del></del>	0.101	<del>  j</del> -	0.043	0.258
100-42-5			0.258	ال ا	0.014	0.258
	Styrene	<del></del>	2.50		0.014	
127-18-4 108-88-3	Tetrachloroethene		0,258	1 0	0.011	0,258 0,258
	Toluene Trichloroethene		0.256	1 3	0.010	
79-01-6 75-69-4		<del></del>	0.258	U V	0.012	0.258 0.258
76-13-1	Trichlorofluoromethane Trichlorotrifluoroethane		0.258	1 0	0.00692	0.258
	Vinyl acetate		0.258	l v	0.059	0.258
108-05-4 75-01-4	Vinyl acetate Vinyl chloride		0.258	<del>                                     </del>	0.00697	0.258
1330-20-7	Xylene (total)	<del></del>	0.516	1 0	0.00697	0.258
156-59-2	cis-1.2-Dichloroethene		0.250	1	0.00888	0.258

SAMPLE NO.

T-21-F

•					·	
Lab Name: GC	AL Cont	tract:				
Lab Code: LA0	24 Case No.:		SAS No.:	······································	SDG No.: 21101	1405
Matrix: (soil/wate	r) Solid					
Sample wt/vol:	5.81 (g/ml) g		Lab Sample ID:	2110114050	)4	
.evel: (low/med)	LOW .		Lab File ID: 21	10116/a8977		
% Moisture: not d	lec. 16.7		Date Collected:	01/13/11	Time: _1	445
GC Column: RT	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: N	MSV11		Date Analyzed:	01/16/11	Time: _10	603
oil Extract Volur	ne:	_ ( µL	Dilution Factor:	50	Analyst:	RJU
Soil Aliquot Volun	ne:	_ (µL	Prep Batch:		Analytical	Batch: 449013
CONCENTRAT	ION UNITS: mg/kg		Analytical Method	d: SW-846 8	3260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		0.258	U	0.00749	0.258
136777-61-	m,p-Xylene		0.258	U	0.026	0.258
71-36-3	n-Butýl alcohol		1.29	U	0.945	1.29
104-51-8	n-Butylbenzene		0.258	U	0.018	0.258
103-65-1	n-Propylbenzene		0.258	U	0.014	0.258
95-47-6	o-Xylene		0.258	U	0.00976	0.258
135-98-8	sec-Butylbenzene		0.258	U	0.013	0.258
1634-04-4	tert-Butyl methyl ether (MTBE)		0.258	U	0.00862	0.258
98-06-6	tert-Butylbenzene		0.258	U	0.012	0.258
156-60-5	trans-1,2-Dichloroethene		0.258	U	0.010	0.258
10061-02-6	trans-1,3-Dichloropropene		0.258	U	0.011	0.258
110-57-6	trans-1,4-Dichloro-2-butene		0.258	U	0.029	0.258

SAMPLE NO.

NC-0-0.3

Lab Name: GC/	AL Contr	act:				
	24 Case No.:					405
//atrix: (soil/water			•			
Sample wt/vol:	4.71 (g/ml) g		Lab Sample ID:	2110114050	)5	
	LOW			10116/a8978		
	lec. 17.1			01/13/11	Time: 14	55
	X-VMS-30 ID: .25		Date Received:		· ·	
	•	(11111			Ti	0.7
strument iD: MSV11		<u> </u>	Date Analyzed:			
oil Extract Volume: (μL		Dilution Factor:	<u>50</u> _	Analyst:	RJU	
Soil Aliquot Volun	ne:	(µL	Prep Batch:		Analytical	Batch: <u>449013</u>
	ION UNITS: mg/kg		Analytical Metho	d: SW-846 8	3260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		0.320	l u	0.00672	0.320
71-55-6	1,1,1,Z-Tetrachioroethane		0.320		0.00672	0.320
79-34-5	1,1,2,2-Tetrachloroethane		0.320	U	0.018	0.320
79-00-5	1,1,2-Trichloroethane		0.320	T U	0.015	0.320
75-34-3	1,1-Dichloroethane	· · · · · · · · · · · · · · · · · · ·	0.320	U	0.021	0.320
75-35-4	1,1-Dichloroethene		0.320	T U	0.043	0.320
563-58-6	1,1-Dichloropropene		0.320	T U	0.013	0.320
96-18-4	1,2,3-Trichloropropane		0.128	U	0.022	0.128
120-82-1	1,2,4-Trichlorobenzene		0.320	U	0.020	0.320
95-63-6	1,2,4-Trimethylbenzene		0.123	<del>                                     </del>	0.019	0.320
96-12-8	1,2-Dibromo-3-chloropropane	<del></del>	0.320	<del>                                     </del>	0.051	0.320
106-93-4	1,2-Dibromoethane		0.320	Ū	0.015	0.320
95-50-1	1,2-Dichlorobenzene		0.320	U	0.021	0.320
107-06-2	1,2-Dichloroethane		0.603	<b>-</b>	0.00839	0.320
78-87-5	1,2-Dichloropropane		0.320	U	0.00691	0.320
108-67-8	1,3,5-Trimethylbenzene		0.110	J	0.015	0.320
541-73-1	1,3-Dichlorobenzene		0.320	U	0.020	0.320
142-28-9	1,3-Dichloropropane		0.320	U	0.011	0.320
106-46-7	1,4-Dichlorobenzene		0.320	U	0.026	0.320
594-20-7	2,2-Dichloropropane		0.320	U	0.074	0.320
78-93-3	2-Butanone		0.320	U	0.039	0.320
110-75-8	2-Chloroethylvinyl ether		0.320	U	0.015	0.320
95-49-8	2-Chlorotoluene		0.320	U	0.017	0.320
591-78-6	2-Hexanone		0.320	U	0.022	0.320
106-43-4	4-Chlorotoluene		0.320	U	0.020	0.320
99-87-6	4-Isopropyltoluene		0.320	U	0.017	0.320
108-10-1	4-Methyl-2-pentanone		0.320	υ	0.022	0.320
67-64-1	Acetone		1.60	Ú	0.068	1.60
107-02-8	Acrolein		1.60	U	0.128	1.60
107-13-1	Acrylonitrile		1.60	U	0.069	1.60
71-43-2	Benzene		0.217	J	0.00877	0.320

SAMPLE NO.

NC-0-0.3

Lab Name: GC	AL Cont	ract:	•		<u></u>	
	24 Case No.:				 SDG No · 211011	405
Matrix: (soil/wate			OAO 110	,	ODO 110 211011	400
,				0440444054	(	
sample wt/vol:	4.71 (g/ml) g		,		)5	
.evel: (low/med)	~~ <u>, , , , , , , , , , , , , , , , , , ,</u>		Lab File ID: 21	10116/a8978		
6 Moisture: not o	dec. 17:1		Date Collected:	01/13/11	Time: _14	155
	TX-VMS-30 ID: .25		Date Received:	01/14/11		
nstrument ID: N	MSV11	•	Date Analyzed:	01/16/11	Time: 16	327
			Dilution Factor:		······································	RJU
	me:		Dilution Factor.			
oil Aliquot Volur	me:	_ ( µL	Prep Batch:		Analytical	Batch: 449013
CONCENTRAT	TION UNITS: mg/kg		Analytical Metho	d: <u>SW-846</u> 8	3260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		0.320	T U	0.019	0.320
75-27-4	Bromodichloromethane		0.320	1 0	0.00960	0.320
75-25-2	Bromoform	<u>:</u>	0.320	U	0.015	0.320
74-83-9	Bromomethane		0.320	Ū	0.093	0.320
75-15-0	Carbon disulfide		0.320	<del>                                     </del>	0.030	0.320
56-23-5	Carbon tetrachloride		0.320	1 0	0.015	0.320
108-90-7	Chlorobenzene		0.320	1 0	0.012	0.320
75-00-3	Chloroethane		0.320	1 0	0.042	0.320
67-66-3	Chloroform		0.545	<del> </del>	0.016	0.320
74-87-3	Chloromethane		0.320	<del>- </del>	0.048	0.320
110-82-7	Cyclohexane	· · · · · · · · · · · · · · · · · · ·	0.183	<del>                                     </del>	0.011	0.320
124-48-1	Dibromochloromethane		0.320	<del>-</del> <del>u</del> -	0.00896	0.320
74-95-3	Dibromomethane		0.320	<del>U</del>	0.020	0.320
75-71-8	Dichlorodifluoromethane		0.320	<del>                                     </del>	0.00711	0.320
100-41-4	Ethylbenzene		0.818		0.013	0.320
87-68-3	Hexachlorobutadiene		0.320	U	0.015	0.320
98-82-8	Isopropylbenzene (Cumene)		0.942		0.012	0.320
79-20-9	Methyl Acetate		1,03		0.022	0.320
74-88-4	Methyl iodide		0.320	U	0.084	0.320
108-87-2	Methylcyclohexane		0.320	U	0.010	0.320
75-09-2	Methylene chloride		0.062	J	0.022	0.640
91-20-3	Naphthalene		0.490		0.053	0.320
100-42-5	Styrene		0.320	U	0.017	0.320
127-18-4	Tetrachloroethene		.0.835	<del>   </del>	0.013	0.320
108-88-3	Toluene		0.227	J	0.013	0.320
79-01-6	Trichloroethene	-	1.02	<del>                                     </del>	0.015	0.320
75-69-4	Trichlorofluoromethane		0.320	U	0.00858	0.320
76-13-1	Trichlorotrifluoroethane		0.320	· U	0.074	0.320
108-05-4	Vinyl acetate		0.320	U	0.014	0.320
75-01-4	Vinylichloride		0.320	U	0.00864	0.320
1330-20-7	Xylene (total)		0.298	J	0.044	0.640
156-59-2	cis-1/2-Dichloroethene		0.320	U	0.011	0.320

FORM I VOA

SAMPLE NO.

NC-0-0.3

					L	
Lab Name: GCA	AL Cont	ract:				
_ab Code: _LA02	24 Case No.:					1405
Matrix: (soil/water)	Solid				ě	
Sample wt/vol: _4	l.71 (g/ml) g		Lab Sample ID:	2110114050	5	
_evel: (low/med)	LOW		Lab File ID: 21	10116/a8978		
% Moisture: not de				01/13/11	Time: _1	455
3C Column: RT	X-VMS-30 ID: .25			01/14/11		
nstrument ID: M	SV11		Date Analyzed:	01/16/11	Time: _10	627
	ne:		Dilution Factor:	50		RJU
	ne:		Prep Batch:		Analytica	Batch: _449013
CONCENTRATI	ON UNITS: mg/kg		Analytical Metho	od: SW-846 8	260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		0.320	U	0.00928	0.320
136777-61-	m,p-Xylene		0.122	Jγ	0.032	0.320
71-36-3	n-Butyl alcohol		1.60	U.	1.17	1.60
104-51-8	n-Butylbenzene		0.320	U	0.022	0.320
103-65-1	n-Propylbenzené		0.320	U	0.017	0.320
95-47-6	o-Xylene		0.176	J	0.012	0.320
135-98-8	sec-Butylbenzene		0.320	U	0.016	0.320
1634-04-4	tert-Butyl methyl ether (MTBE)		0.320	U	0.011	0.320
98-06-6	tert-Butylbenzene		0.320	U-	0.015	0.320
156-60-5	trans-1,2-Dichloroethene		0.320	U,	0.013	0.320
10061-02-6	trans-1,3-Dichloropropene		0.320	U,"	0.014	0.320
110 E7 C	Anning d 4 Dighters O hadana		0.220	117	0.020	0.220

SAMPLE NO.

T-2-WEST

	·				L	
Lab Name: GC	CAL Contrac	ct:				
ab Code: LA0	24 Case No.:		SAS No.:		SDG No.: 211011	405
//atrix: (soil/wate	r) Solid		•			
Sample wt/vol:	6.21 (g/ml) g		Lab Sample ID:	211011405	506	
evel: (low/med)			Lab File ID: 211	0118p/k99	11	
6 Moisture: not o	dec. 20.1		Date Collected:	01/13/11	Time: 15	05 .
		(mm	Date Received:			······································
		<b>,,,,,,</b>	•		Time: 45	44
	MSV5		Date Analyzed:		······································	41
oil Extract Volur	me:	(µL	Dilution Factor:	250	Analyst: _	CLH
oil Aliquot Volur	me:	(µL	Prep Batch:		Analytical	Batch: 449157
001/051/7017			Analytical Method	d: SW-846	8260	
CONCENTRAT	TION UNITS: mg/kg		•			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	•	1.26	U	0.026	1.26
71-55-6	1,1,1-Trichloroethane	٠,٠.	1.26	U	0.058	1.26
79-34-5	1,1,2,2-Tetrachloroethane		1.26	U	0.069	1.26
79-00-5	1,1,2-Trichloroethane		1.26	U	0.059	1.26
75-34-3	1,1-Dichloroethane		1.26	U	0.084	1.26
75-35-4	1,1-Dichloroethene		1.26	U	0.168	1.26
563-58-6	1,1-Dichloropropene		1.26	U	0.052	1.26
96-18-4	1,2,3-Trichloropropane		0.504	U	0.087	0.504
120-82-1	1,2,4-Trichlorobenzene		1.26	U.	0.077	1.26
95-63-6	1,2,4-Trimethylbenzene		1.26	, U	0.075	1.26
96-12-8	1,2-Dibromo-3-chloropropane		1.26	U ·	0.202	1.26
106-93-4	1,2-Dibromoethane		1.26	υ	0.060	1.26
95-50-1	1,2-Dichlorobenzene		1.26	U	0.082	1.26
107-06-2	1,2-Dichloroethane		1.26	U	0.033	1.26
78-87-5	1,2-Dichloropropane		1.26	U	0.027	1.26
108-67-8	1,3,5-Trimethylbenzene		1.26	U	0.061	1.26
541-73-1	1,3-Dichlorobenzene		1.26	U	0.080	1.26
142-28-9	1,3-Dichloropropane		1.26	U	0.045	1.26
106-46-7	1,4-Dichlorobenzene		1.26	· U	0.103	1.26
594-20-7	2,2-Dichloropropane		1.26	U	0.292	1.26
78-93-3	2-Butanone		1.26	U	0.152	1.26
110-75-8	2-Chloroethylvinyl ether		1.26	Ú	0.059	1.26
95-49-8	2-Chlorotoluene		1.26	Ų	0.066	1.26
591-78-6	2-Hexanone		1.26	υ	0.085	1.26
106-43-4	4-Chlorotoluene		1.26	υ	0.077	1.26
99-87-6	4-Isopropyltoluene		1.26	U	0.067	1.26
108-10-1	4-Methyl-2-pentanone		1.26	Ū ·	0.086	1.26
67-64-1	Acetone		6.29	U	0.267	6.29
107-02-8	Acrolein		6.29	U	0.504	6.29
107-13-1	Acrylonitrile		6.29	,U	0.269	6.29
71-43-2	Benzene		1.26	U	0.034	1.26

FORM I VOA

SAMPLE NO.

T-2-WEST

Lab Name: GC	CAL Contract:				
ab Code: LAC	Case No.:	AS No.:	s	DG No.: 2110114	105
//atrix: (soil/wate		-	•		
Sample wt/vol:	6.21 (g/ml) g	Lab Sample ID:	2110114050	3	•
.evel: (low/med)		Lab File ID: 211			
6 Moisture: not				Time: 150	15
		•		Tanc. 100	,
SC Column: R	TX-VMS-30 ID: .25 (mm	Date Received:	01/14/11		
nstrument ID: _	MSV5	Date Analyzed:	01/18/11	Time: _154	11
Soil Extract Volu	me: ( µL	Dilution Factor:	250	Analyst: _	CLH
Soil Aliquot Volu		Prep Batch:		Analytical I	Batch: 449157
		•			
CONCENTRA	TION UNITS: mg/kg	Analytical Method	: SW-846 8	260	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	1.26	U	0.076	1.26
75-27-4	Bromodichloromethane	1.26	Ų	0.038	1.26
75-25-2	Bromoform	1.26	U.	0.058	1.26
74-83-9	Bromomethane	1.26	Ų	0.368	1.26
75-15-0	Carbon disulfide	1.26	U	0.117	1.26
56-23-5	Carbon tetrachloride	1.26	U	0.059	1.26
108-90-7	Chlorobenzene	1.26	U	0.047	1.26
75-00-3	Chloroethane	1.26	U	0.166	1.26
67-66-3	Chloroform	1.26	U	0.062	1.26
74-87-3	Chloromethane	1.26	U	0.191	1.26
110-82-7	Cyclohexane	1.26	. 0	0.044	1.26
124-48-1	Dibromochloromethane	1.26	U	0.035	1.26
74-95-3	Dibromomethane	1.26	U	0.079	1.26
75-71-8	Dichlorodifluoromethane	1.26	U	0.028	1.26
100-41-4	Ethylbenzene	1.26	U	0.052	1.26
87-68-3	Hexachlorobutadiene	1.26	U	0.059	1.26
98-82-8	Isopropylbenzene (Cumene)	32.6		0.049	1.26
79-20-9	Methyl Acetate	1.26	U	0.086	1.26
74-88-4	Methyl iodide	. 1.26	U	0.330	1.26
108-87-2	Methylcyclohexane	1.26	U	0.041	1.26
75-09-2	Methylene chloride	2.52	U	0.088	2.52
91-20-3	Naphthalene	1.26	Ų	0.208	1.26
100-42-5	Styrene	1.26	U	0.066	1.26
127-18-4	Tetrachloroethene	1.26	U	0.052	1.26
108-88-3	Toluene	1.26	Ų	0.050	1.26
79-01-6	Trichloroethene	1.26	U	0.059	1.26
75-69-4	Trichlorofluoromethane	1.26	U	0.034	1.26
76-13-1	Trichlorotrifluoroethane	1.26	שֶׁ	0.290	1.26
108-05-4	Vinyl acetate	1.26	Ü	0.056	1.26
75-01-4	Vinyl chloride	1.26	U	0.034	1.26
1330-20-7	Xylene (total)	2.52	U	0.173	2.52
156-59-2	cis-1,2-Dichloroethene	1.26	U	0.043	1.26

SAMPLE NO.

T-2-WEST

Lab Name: GC	CAL Co	ntract:		·		. :
Lab Code: LAC	024 Case No.:		SAS No.:		SDG No.: 21101	1405
Matrix: (soil/wate						
,	ř	······································	Lab Sample ID:	2110114050	ne.	
Sample WUVOI.	6.21 (g/ml) g		Lab Sample ID.	2110114030		
Level: (low/med)	LOW		Lab File ID: 21	10118p/k991		
% Moisture: not	dec. <u>20.1</u>		Date Collected:	01/13/11	Time: _1	505
3C Column: R	TX-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: _I	MSV5		Date Analyzed:	01/18/11	Time: _1	541
Soil Extract Volu	me:	(µL	Dilution Factor:	250	Analyst:	CLH
Soil Aliquot Volu	me:	( µL	Prep Batch:		Analytica	Batch: 449157
CONCENTRA	TION UNITS: mg/kg		Analytical Metho	d: SW-846 8	3260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		1.26	· U	0.037	1.26
136777-61-	m,p-Xylene		1.26	U	0.127	1.26
71-36-3	n-Butyl alcohol		6.29	U	4.61	6.29
104-51-8	n-Butylbenzene		1.26	U	0.088	1.26
103-65-1	n-Propylbenzene		1.26	U	0.068	1.26
95-47-6	o-Xylene		1.26	U	0.048	1.26
135-98-8	sec-Butylbenzene		1.26	U	0.063	1.26
1634-04-4	tert-Bútyl methyl ether (MTBE	)	1.26	U	0.042	1.26
98-06-6	tert-Butylbenzene		1.26	υ	0.060	1.26
156-60-5	trans-1,2-Dichloroethene		1.26	U	0.051	1.26
10061-02-6	trans-1,3-Dichloropropene		1.26	U	0.055	1.26
110-57-6	trans-1,4-Dichloro-2-butene		1.26	.U	0.143 .	1.26

SAMPLE NO.

T-6-FLOOR

Lab Name: GC	AL Contract	 						
_ab Code: _LA0	24 Case No.;		SAS No.:		SDG No.: 2110114	05		
	r) Solid							
Sample wt/vol:	4.77 (g/ml) g		Lab Sample ID:	21101140	507			
_evel: (low/med)	LOW		Lab File ID: 211	0116/a898	2			
	lec. 26.0			Date Collected: 01/13/11 Time: 1535				
		mm	Date Received:	01/14/11				
nstrument ID: N			Date Analyzed:	01/16/11	Time: 180	9		
Soil Extract Volur	me:(	μL	Dilution Factor:	100	Analyst: 0	CLH		
	ne: (				Analytical E			
			Analytical Method			<u> </u>		
CONCENTRAT	TON UNITS: mg/kg		Analytical Method	1.		·		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL		
630-20-6	1,1,1,2-Tetrachloroethane		0.709	U	0.015	0.709		
71-55-6	1,1,1-Trichloroethane		0.709	U	0.033	0.709		
79-34-5	1,1,2,2-Tetrachloroethane		0.709	U	0.039	0.709		
79-00-5	1,1,2-Trichloroethane		0.709	υ	0.033	0.709		
75-34-3	1,1-Dichloroethane		0.709	Ų	0.047	0.709		
75-35-4	1,1-Dichloroethene		0.709	Ų	0.095	0.709		
563-58-6	1,1-Dichloropropene		0.709	Ų	0.029	0.709		
96-18-4	1,2,3-Trichloropropane		0.283	Ü	0.049	0.283		
120-82-1	1,2,4-Trichlorobenzene		0.709	U	0.043	0.709		
95-63-6	1,2,4-Trimethylbenzene		0.709	Ü	0.042	0.709		
96-12-8	1,2-Dibromo-3-chloropropane		0.709	U	0.114	0.709		
106-93-4	1,2-Dibromoethane		0.709	U	0.034	0.709		
95-50-1	1,2-Dichlorobenzene		0.709	Ü	0.046	0.709		
107-06-2	1,2-Dichloroethane		0.709	Ü	0.019	0.709		
78-87-5	1,2-Dichloropropane		0.709	Ų	0.015	0.709		
108-67-8	1,3,5-Trimethylbenzene		0.709	Ą	0.034	0.709		
541-73-1	1,3-Dichlorobenzene		0.709	Ų	0.045	0.709		
142-28-9	1,3-Dichloropropane		0.709	U	0.025	0.709		
106-46-7	1,4-Dichlorobenzene		0.709	Ų	0.058	0.709		
594-20-7	2,2-Dichloropropane		0.709	U	0.164	0.709		
78-93-3	2-Butanone		0.709	U	0.085	0.709		
110-75-8	2-Chloroethylvinyl ether		0.709	U	0.033	0.709		
95-49-8	2-Chlorotoluene		0.709	U	0.037	0.709		
591-78-6	2-Hexanone		0.709	Ų	0.048	0.709		
106-43-4	4-Chlorotoluene		0.709	Ų	0.043	0.709		
99-87-6	4-Isopropyltoluene		0.709	· U	0.038	0.709		
108-10-1	4-Methyl-2-pentanone		0.709	U	0.048	0.709		
67-64-1	Acetone		3.54	U	0.150	3.54		
107-02-8	Acrolein		3.54	U	0.283	3.54		
107-13-1	Acrylonitrile		3.54	U	0.152	3.54		
71-43-2	Benzene		1.33		0.019	0.709		

SA	MP	LE	NO.
T-	6-F	LO	OR

			•		
Lab Name: GC	CAL Contrac	t:		nant na nityayana sika	
ab Code: LA0	024 Case No.:	SAS No.:		SDG No.: 21101	1405
fatrix: (soil/wate	**				
			· •••••••••••		
ample wt/vol:	4.77 (g/ml) g	Lab Sample	ID: 211011405		
evel: (low/med)	LOW	Lab File ID:	2110116/a8982	· · · · · · · · · · · · · · · · · · ·	
Moisture: not	dec. 26.0		ed: 01/13/11	Time: _1	535
	TX-VMS-30 ID: .25 (		ed: 01/14/11		
strument ID:		4		Time: 1	
	ıme: (		or: <u>100</u>	Analyst:	CLH
il Aliquot Volu	ıme:(	μL Prep Batch:		Analytica	Batch: 449013
	1		ethod: SW-846	8260	
CONCENTRA	TION UNITS: mg/kg	, , , , , , , , , , , , , , , , , , , ,			
CAS NO.	COMPOUND	RESUL	T Q	MDL	RL
108-86-1	Bromobenzene	0.709	U	0:043	0.709
75-27-4	Bromodichloromethane	0.709	U	0.021	0.709
5-25-2	Bromoform	0.709	U	0.033	0.709
4-83-9	Bromomethane	0.709	U.	0.207	0.709
5-15-0	Carbon disulfide	0.709	U	0.066	0.709
6-23-5	Carbon tetrachloride	0.709	U	0.033	0.709
108-90-7	Chlorobenzene	0.709	Ū ·	0.027	0.709
75-00-3	Chloroethane	0.709	U	0.093	0.709
67-66-3	Chloroform	0.709	υ	0.035	0.709
74-87-3	Chloromethane	0.709	Ü	0.107	0.709
10-82-7	Cyclohexane	0.709	U	0.025	0.709
24-48-1	Dibromochloromethane	0.709	U	0.020	0.709
74-95-3	Dibromomethane	0.709	· U	0.044	0.709
75-71-8	Dichlorodifluoromethane	0.709	U	0.016	0.709
100-41-4	Ethylbenzene	9.44	<del> </del>	0.029	0.709
37-68-3	Hexachlorobutadiene	0.709	U	0.033	0.709
98-82-8	(Isopropylbenzene (Cumene)	12.6		0.028	0.709
9-20-9	Methyl Acetate	0.709	Ü	0.048	0.709
74-88-4	Methyl iodide	0.709	U	0.186	0.709
08-87-2	Methylcyclohexane	0.709	U	0.023	0.709
75-09-2	Methylene chloride	1.42	U	0.049	1.42
1-20-3	Naphthalene	0.709	Ü	0.117	0.709
00-42-5	Styrene	0.709	U	0.037	0.709
27-18-4	Tetrachloroethene	0.709	U	0.029	0.709
08-88-3	Toluene	1.00		0.028	0.709
79-01-6	Trichloroethene	0.709	U	0.033	0.709
75-69-4	Trichlorofluoromethane	0.709	Ü	0.019	0.709
76-13-1	Trichlorotrifluoroethane	0.709	Ü	0.163	0.709
108-05-4	Vinyl acetate	0.709	U	0.031	0.709
75-01-4	Vinylichloride	0.709	<del>U</del>	0.019	0.709
1330-20-7	Xylene (total)	1.95		0.097	1,42
156-59-2	cis-1/2-Dichloroethene	0.709	<del></del>	0.024	0.709

FORM I VOA

SAMPLE NO.

T-6-FLOOR

Lab Name: GC/	AL Con	ntract:	,			:
Lab Code: LA02	24 Case No.:		SAS No.:	SD	G No.: 2110	11405
Matrix: (soil/water	) Solid					;
Sample wt/vol: 4	4.77 (g/ml) g		Lab Sample ID:	21101140507		. 4
Level: (low/med)		***************************************	Lab File ID: 21	10116/a8982	· .	;
% Moisture: not d	,		Date Collected:	01/13/11	Time:	1535
GC Column: RT.	X-VMS-30 ID: .25	(mm	Date Received:	01/14/1/1		,
nstrument ID: N	ISV11		Date Analyzed:	01/16/11	Time:	1809
Soil Extract Volun	ne:	<u>·</u> (μL	Dilution Factor:	100	Analyst:	CLH
Soil Aliquot Volum	•	( µL	Prep Batch:	1	Analytic	al Batch: 449013
CONCENTRATI	ION UNITS: mg/kg		Analytical Metho	od: SW-846 826	50 .	
CAS NO.	COMPOUND		RESULT	Q.	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		0.709	U	0.021	0.709
136777-61-	m,p-Xylene		0.709	U	0.071	. 0.709
71-36-3	n-Butyl alcohol		3.54	U	2.59	3.54
104-51-8	n-Butylbenzene		0.709	U	0.049	0.709
103-65-1	n-Propylbenzene		0.709	U	0.038	0.709
95-47-6	o-Xylene		1.95		0.027	0.709
135-98-8	sec-Butylbenzene		0.709	U,	0.036	0.709
1634-04-4	tert-Butyl methyl ether (MTBE)		0.234	J	0.024	0.709
98-06-6	tert-Butylbenzene	,	0.709	U	0.034	0.709
156-60-5	trans-1,2-Dichloroethene		0.709	U	0.029	0.709
10061-02-6	trans-1,3-Dichloropropene		0.709	U	0.031	0.709
110-57-6	trans-1,4-Dichloro-2-butene		0.709	U	0.080	0.709

SAMPLE NO.

T-6-EAST

•				<u> </u>	
Lab Name: GCAL .	Contract:				
ab Code: LA024 Case No.:		SAS No.:		SDG No.: 21101	1405
Matrix: (soil/water) Solid					
Sample wt/vol: 5.13 , (g/ml) g		Lab Sample ID:	2110114050	8	Ť
,			****	······································	
evel: (low/med) LOW		Lab File ID: 21	10116/88984		
6 Moisture: not dec. 26.5		Date Collected:	01/13/11	Time: 1	555
GC Column: RTX-VMS-30 ID:	.25 (mm	Date Received:	01/14/11		•
nstrument ID: MSV11		Date Analyzed:	01/16/11	Time: 1	857 [°]
		Dilution Factor:			CLH
oil Extract Volume:		Dilution ractor.	10000		
soil Aliquot Volume:	(µL	Prep Batch:	·····	Analytica	I Batch: 449013
CONCENTRATION LINETS: make		Analytical Method	d: <u>SW-846</u> 8	260	
CONCENTRATION UNITS: mg/kg					
CAS NO. COMPOUND		RESULT	Q	MDL	RL
630-20-6 [1,1,1,2-Tetrachloroetha	ine	66.3	l u l	1.39	66.3
71-55-6 1,1,1-Trichloroethane		66.3	Ū	3.06	66.3
79-34-5 1,1,2,2-Tetrachloroetha	ine	66.3	U	3.66	66.3
79-00-5 1,1,2, Trichloroethane		66.3	U	3.12	66.3
75-34-3 1.1-Dichloroethane		66.3	U	4.40	66.3
75-35-4 1,1-Dichloroethene		66.3	T U	8.84	66.3
563-58-6 1,1-Dichloropropene		66.3	υ	2.76	66.3
96-18-4 1,2,3-Trichloropropane		26.5	U	4.60	26.5
120-82-1 1,2,4 Trichlorobenzene	<del></del>	66.3	U	4.04	66.3
95-63-6 1,2,4-Trimethylbenzene	<del></del>	66.3	U	3.95	66.3
96-12-8 1,2-Dibromo-3-chloropr	opane	66.3	U	10.6	66.3
106-93-4 1,2-Dibromoethane		. 66.3	U	3.17	66.3
95-50-1 1,2-Dichlorobenzene		66.3	U	4.31	66.3
107-06-2 1,2-Dichloroethane		66.3	U	1.74	66.3
78-87-5 1,2-Dichloropropane		66.3	U	1.43	66.3
108-67-8 1,3,5-Trimethylbenzene	,	66.3	U	3.20	66.3
541-73-1 1,3-Dichlorobenzene		66.3	U	4.23	66.3
142-28-9 1,3-Dichloropropane		66.3	U	2.37	66.3
106-46-7 1,4-Dichlorobenzene		66.3	U	5.45	66.3
594-20-7 2,2-Dichloropropane		66.3	U	.15.4	66.3
78-93-3 2-Butanone		66.3	U	7.99	66.3
110-75-8 2-Chloroethylvinyl ether	r	66.3	U	3.10	66.3
95-49-8 2-Chlorotoluene	7	66.3	U	3.50	66.3
591-78-6 2-Hexanone		66.3	U	4.49	66.3
106-43-4 4-Chlorotoluene		66.3	U	4.06	66.3
99-87-6 4-Isopropyltoluene		66.3	· U	3.53	66.3
108-10-1 4-Methyl-2-pentanone		66.3	U	4.52	66.3
67-64-1 Acetone		331	Ü	14.1	331
107-02-8 Acrolein		331	U	26.5	331
107-13-1 Acrylonitrile		331	Ü	14.2	331
71-43-2 Benzene		18.2	J	1.82	66.3

SAMPLE NO.

T-6-EAST	

Lab Name: GC	CAL Contract:		1			
Lab Code: LA024 Case No.:						
 Matrix: (soil/wate						
Sample wt/vol:	5.13 (g/ml) g	Lab Sample ID:	2110114050	8.		
	LOW					
% Moisture: not dec. 26.5			ate Collected: 01/13/11 Time: 1555			
GC Column: RTX-VMS-30 ID: .25 (mm				<del></del>		
					257	
		•				
Soil Extract Volume: ( µL			Factor: 10000 Analyst: CLH			
oil Aliquot Volur	me: ( µL	Prep Batch:		Analytical	Batch: 449013	
CONCENTRAT	TION UNITS: mg/kg	Analytical Method	I: SW-846 8	260		
CAS NO.	COMPOUND	RESULT	Q	MDL	RL	
108-86-1	Bromobenzene	66.3	T U T	3.99	66.3	
75-27-4	Bromodichloromethane	66.3	U	1.99	66.3	
75-25-2	Bromoform	66.3	U	3.06	66.3	
74-83-9	Bromomethane	66.3	U	19.4	66.3	
75-15-0	Carbon disulfide	66.3	U	6.17	66.3	
56-23-5	Carbon tetrachloride	66.3	l u	3.13	66.3	
108-90-7	Chlorobenzene	66.3	U	2.49	66.3	
75-00-3	Chloroethane	66.3	U.	8.74	66.3	
67-66-3	Chloroform	66.3	U	3.26	66.3	
74-87-3	Chloromethane	66.3	U	10.0	66.3	
110-82-7	Cyclohexane	66.3	U	2:33	66.3	
124-48-1	Dibromochloromethane	66.3	U	1.86	66.3	
74-95-3	Dibromomethane	66.3	U	4.16	66.3	
75-71-8	Dichlorodifluoromethane	66.3	U	1.47	66.3	
100-41-4	Ethylbenzene	272		2.73	66.3	
87-68-3	Hexachiorobutadiene	66.3	U	3.09	66.3	
98-82-8	Isopropylbenzene (Cumene)	1660		2.59	66.3	
79-20-9	Methyl Acetate	66.3	U	4.53	66.3	
74-88-4	Methyl iodide	66.3	U	17.4	66.3	
108-87-2	Methylcyclohexane	66.3	U	2.17	66.3	
75-09-2	Methylene chloride	133	U	4.61	133	
91-20-3	Naphthalene	66.3	Ų.	10.9	66.3	
100-42-5	Styrene	21.8	J	3.50	66.3	
127-18-4	Tetrachloroethene	66.3	U	2.74	66.3	
108-88-3	Toluene	37.0	j	2.65	66.3	
79-01-6	Trichloroethene	66.3	Ų	3.10	66.3	
75-69-4	Trichlorofluoromethane	66.3	U	1.78	66.3	
76-13-1	Trichlorotrifluoroethane	66.3	U	15.2	66.3	
108-05-4	Vinyl acetate	66.3	Ú	2.94	66.3	
75-01-4	Vinyl chloride	66.3	Ü	1.79	66.3	
1330-20-7	Xylene (total)	167		9.10	133	
156-59-2	cis-1,2-Dichloroethene	66.3	ן ט	2.28	66.3	

SAMPLE NO.

T-6-EAST

Lab Name: GC	AL Contract:				
Lab Code: LA0	24 Case No.:	SAS No.:	SDG N	o.: <u>21101</u>	1405
Matrix: (soil/water	) Solid				
Sample wt/vol:	5.13 (g/ml) g	Lab Sample ID:	21101140508		
Level: (low/med)	LOW	Lab File ID: 21	10116/a8984	····	·
% Moisture: not d	ec. 26.5	Date Collected:	01/13/11	Time: 1	555
GC Column: RT	X-VMS-30 1D: .25 (mn	Date Received:	01/14/11		
nstrument ID: M	ISV11	Date Analyzed:	01/16/11	Time: 1	857
	ne: ( µL		10000	Analyst:	CLH
	ne: ( µL			Analytical	Batch: 449013
*	ION UNITS: mg/kg		od: SW-846 8260	***************************************	
CAS NO.	COMPOUND	RESULT	Q I	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	66.3	U	1.92	66.3
136777-61-	m,p-Xylene	66.3	U ·	6.67	66.3
71-36-3	n-Butyl alcohol	331	U	243	331
104-51-8	n-Butylbenzene	66.3	Ü	4.63	66.3
103-65-1	n-Propylbenzene	66.3	U	3.59	66.3
95-47-6	o-Xylene	167		2.51	66.3
135-98-8	sec-Butylbenzene	66.3	U	3.33	66.3
1634-04-4	tert-Butyl methyl ether (MTBE)	66.3	Ü	2.21	66.3
98-06-6	tert-Butylbenzene	66.3	U .	3.14	66.3
156-60-5	trans-1,2-Dichloroethene	66.3	U	2.68	66.3
10061-02-6	trans-1,3-Dichloropropene	66.3	. U	2.92	66.3
110 57 6	trans d. 4 Diabless O history	66.3		7.52	

SAMPLE NO.

T-6-SOUTH

Lab Name: GC	AL Cont	ract:				
***************************************	24 Case No.:		SAS No.:		SDG No.: 21101	1405
//atrix: (soil/wate						
•	5.23 (g/ml) g		Lab Sample ID:	211011405	509	
.evel: (low/med)	LOW		Lab File ID: 21	10116/2898	) 	a martin of principles of the second section of principles of
6 Moisture: not o	dec. 26.1		Date Collected:	01/13/11	Time: <u>1</u>	615
C Column: R	TX-VMS-30 ID: .25	_ (mm	Date Received:	01/14/11		
nstrument ID: 1	MSV11	-	Date Analyzed:	01/16/11	Time: 1	922
				<b>y</b>		
	me:		Dilution Factor.	10000	Analyst:	
ioil Aliquot Volur	me:	_ ( µL	Prep Batch:		Analytica	I Batch: 449013
CONCENTER	TION UNITS: mg/kg		Analytical Metho	d: SW-846	8260	-
CONCENTRAT	ION UNITS: Ing/kg					
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		64.7	U	1.36	64.7
71-55-6	1,1,1-Trichloroethane		64.7	U,	2.99	64.7
79-34-5	1,1,2,2-Tetrachloroethane		64.7	U	3.57	64.7
79-00-5	1,1,2-Trichloroethane		64.7	U	3.04	64.7
75-34-3	1,1-Dichloroethane		64.7	U	4.30	64.7
75-35-4	1,1-Dichloroethene		. 64.7	U	8.63	64.7
563-58-6	1,1-Dichloropropene		64.7	U	2.69	64.7
96-18-4	1,2,3-Trichloropropane		25.9	Ų	4.49	25.9
120-82-1	1,2,4-Trichlorobenzene		64.7	U.	3.95	64.7
95-63-6	1,2,4-Trimethylbenzene		64.7	U	3.86	64.7
96-12-8	1,2-Dibromo-3-chloropropane		64.7	U	10.4	64.7
106-93-4	1,2-Dibromoethane		64.7	U	3.09	64.7
95-50-1	1,2-Dichlorobenzene		64.7	U	4.21	64.7
107-06-2	1,2-Dichloroethane		64.7	U	1.70	64.7
78-87-5	1,2-Dichloropropane		64.7	Ų	1.40	64.7
108-67-8	1,3,5-Trimethylbenzene		64.7	U,	3.12	64.7
541-73-1	1,3-Dichlorobenzene		64.7	U	4.13	64.7
142-28-9	1,3-Dichloropropane		64.7	U	2.32	64.7
106-46-7	1,4-Dichlorobenzene		64.7	U,	5.32	64.7
594-20-7	2,2-Dichloropropane		64.7	U	15.0	64.7
78-93-3	2-Butanone		64.7	U	7.80	64.7
110-75-8	2-Chloroethylvinyl ether		64.7	U	3.03	64.7
95-49-8	2-Chlorotoluene		. 64.7	U	3.42	64.7
591-78-6	2-Hexanone		64.7	U	4.39	64.7
106-43-4	4-Chlorotoluene		64.7	U	3.96	64.7
99-87-6	4-Isopropyltoluene		64.7	U	3.44	64.7
108-10-1	4-Methyl-2-pentanone		64.7	U	4.41	64.7
67-64-1	Acetone		324	U	13.7	324
107-02-8	Acrolein		324	U	25.9	324
107-13-1	Acrylonitrile		324	U	13.8	324
71-43-2	Benzene		13.8	J	1.77	64.7

SAMPLE NO.

T-6-SOUTH

					L	
Lab Name: GC	:AL Contra	ict:				
Lab Code: LA0	24 Case No.:		SAS No.:	sı	OG No.: 21101	1405
Matrix: (soil/water						
Sample wt/vol:	5.23 (g/ml) g		Lab Sample ID:	21101140509		
			Lab File ID: 21			
	LOW					
6 Moisture: not d	dec. <u>26.1</u>		Date Collected:	01/13/11	Time: _1	615
C Column: RT	TX-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: N	MSV11		Date Analyzed:	01/16/11	Time: 1	922
			Dilution Factor:			
	ne:					
oil Aliquot Volur	ne:	(µL	Prep Batch:		Analytica	Batch: _449013
CONCENTRAT	TION UNITS: mg/kg		Analytical Metho	d: SW-846 82	60	
			DE0/// T	0		D/
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		64.7	U	3.90	64.7
75-27-4	Bromodichloromethane		64.7	U	1.94	64.7
75-25-2	Bromoform		64.7	U	2.99	64.7
74-83-9	Bromomethane		64.7	U	18.9	64.7
75-15-0	Carbon disulfide		64.7	U	6.02	64.7
56-2 <u>3</u> -5	Carbon tetrachloride		64.7	U	3.05	64.7
108-90-7	Chlorobenzene		64.7	U	2.43	64.7
75-00-3	Chloroethane		64.7	U	8.53	64.7
67-66-3	Chloroform		18.4	J	3.18	64.7
74-87-3	Chloromethane		64.7	U	9.80	64.7
110-82-7	Cyclohexane		64.7	U	2.28	64.7
124-48-1	Dibromochloromethane		64.7	U	1.81	64.7
74-95-3	Dibromomethane		64.7	U	4.06	64.7
75-71-8	Dichlorodifluoromethane		64.7	U	1.44	64.7
100-41-4	Ethylbenzene		321		2.67	64.7
87-68-3	Hexachlorobutadiene		64.7	U	3.02	64.7
98-82-8	Isopropylbenzene (Cumene)		543		2.52	64.7
79-20-9	Methyl Acetate		64.7	U	4.43	64.7
74-88-4	Methyl iodide		64.7	U	17.0	64.7
108-87-2	Methylcyclohexane		64.7	U	2.12	64.7
75-09-2	Methylene chloride		129	U	4.50	129
91-20-3	Naphthalene		16.4	J	10.7	64.7
100-42-5	Styrene		15.2	J	3.42	64.7
127-18-4	Tetrachloroethene		64.7	U	2.68	64.7
108-88-3	Toluéne	,****	23.8	J	2.59	64.7
79-01-6	Trichloroethene		64.7	U	3.03	64.7
75-69-4	Trichlorofluoromethane		64.7	U	1.73	64.7
76-13-1	Trichlorotrifluoroethane		64.7	U	14.9	64.7
108-05-4	Vinyllacetate		64.7	U	2.87	64.7
75-01-4	Vinylichloride		64.7	U	1.75	64.7
1330-20-7	Xylene (total)		68.6	J	8.88	129
156-59-2	cis-1/2-Dichloroethene		64.7	11	2 23	64.7

FORM I VOA

SAMPLE NO.

T-6-SOUTH

Lab Name: GC	AL Contract			
Lab Code: LA0	24 Case No.:		SDG No	o.: <u>211011405</u>
Matrix: (soil/wate	r) Solid			
Sample wt/vol:	5.23 (g/ml) g	Lab Sample ID:	21101140509	
	LOW		10116/a8985	
	dec. 26.1		01/13/11	
		mm Date Received:	1	TO THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE TRANSPORT OF THE
	MSV11	Date Analyzed:	01/16/11	Time: 1922
	me: (		10000	Analyst: CLH
Soil Aliquot Volur	me: (	μL Prep Batch:		Analytical Batch: 449013
CONCENTRAT	TION UNITS: mg/kg	Analytical Metho	od: SW-846 8260	
CAS NO.	COMPOUND	RESULT	Q N	1DL RL
10061-01-5	cis-1,3-Dichloropropene	64.7	U	1.88 64.7
136777-61-	m,p-Xylene	64.7	U;	6.51 64.7
71-36-3	n-Butyl alcohol	324	U'	237 324
104-51-8	n-Butylbenzene	64.7	U	4.52 64.7
103-65-1	n-Propylbenzene	64.7	U	3.51 64.7
95-47-6	o-Xylene	68.6		2.45 64.7
135-98-8	sec-Butylbenzene	64.7	' U	3.25 64.7
1634-04-4	tert-Butyl methyl ether (MTBE)	64.7	U	2.16 64.7
98-06-6	tert-Butylbenzene	64.7	U	3.07 64.7
156-60-5	trans-1,2-Dichloroethene	64.7	U	2.61 64.7
10061-02-6	trans-1,3-Dichloropropene	64.7	U	2.85 64.7
110-57-6	trans-1,4-Dichloro-2-butene	64.7	U	7.35 64.7

SAMPLE NO.

T-6-NORT	Н	

Lab Name: GC	CAL Con	tract:				
.ab Code: LAC	024 Case No.:		SAS No.:	. 8	SDG No.: 21101	1405
 latrix: (soil/wate						
·		······································			·	
ample wt/vol:	5.87 (g/ml) g		Lab Sample ID:	2110114051		·
evel: (low/med)	LOW		Lab File ID: 21	10116/a8979		
Moisture: not	dec. 22.5		Date Collected:	01/13/11	Time: _10	325
C Column: R	TX-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
	M\$V11	-	Date Analyzed:	01/16/11	Time: 16	351
	ime:	( pL	Dilution Factor:			RJU
	me:		Prep Batch:			Batch: 44901
· · ·		( PL	•	•		Daton: 440010
CONCENTRAT	TION UNITS: mg/kg		Analytical Metho	d: <u>SW-846 8</u>	260	•
CAS NO.	COMPOUND	•	RESULT	Q	MDL	RL
	· · ·					
630-20-6	1,1,1,2-Tetrachloroethane		0.275	U	0.00577	0.275
71-55-6	1,1,1-Trichloroethane		0.087	J	0.013	0.275
79-34-5	1,1,2,2-Tetrachloroethane		0.275	U	0.015	0.275
79-00-5	1,1,2-Trichloroethane		0.275	U	0.013	0.275
75-34-3	1,1-Dichloroethane		0.275	U	0.018	0.275
75-35-4	1,1-Dichloroethene		0.275	U	0.037	0.275
563-58-6	1,1-Dichloropropene		0.275	U	0.011	0.275
96-18-4	1,2,3-Trichloropropane		0.110	U	0.019	. 0.110
120-82-1	1,2,4-Trichlorobenzene		0.275	U	0.017	0.275
95-63-6	1,2,4-Trimethylbenzene		0.230	J	0.016	0.275
96-12-8	1,2-Dibromo-3-chloropropane		0.275	U	0.044	0.275
106-93-4	1,2-Dibromoethane		0.275	U	0.013	0.275
95-50-1	1,2-Dichlorobenzene		0.275	U.	0.018	0.275
107-06-2	1,2-Dichloroethane		0.275	U	0.00720	0.275
78-87-5	1,2-Dichloropropane		0.275	<del>                                     </del>	0.00593	0.275
108-67-8	1,3,5-Trimethylbenzene		0.094	<del>                                     </del>	0.013	0.275
541-73-1	1,3-Dichlorobenzene		0.275	U	0.018	0.275
142-28-9	1,3-Dichloropropane		0.275	<del>                                     </del>	0.00983	0.275
106-46-7	1.4-Dichlorobenzene		0.275	<del>                                     </del>	0.023	0.275
594-20-7	2,2-Dichloropropane		0.275	<u> </u>	0.064	0.275
78-93-3	2-Butanone		0.275	U	0.033	0.275
110-75-8	2-Chloroethylvinyl ether		0.275	<del>  ŭ  </del>	0.013	0.275
95-49-8	2-Chlorotoluene		0.275	l U	0.015	0.275
591-78-6	2-Hexanone		0.275	1 0	0.019	0.275
106-43-4	4-Chlorotoluene		0.275	1 0	0.017	0.275
99-87-6	4-Isopropyltoluene		0.275	<del>  0</del>	0.017	0.275
108-10-1	4-Isopropyitoluene 4-Methyl-2-pentanone		0.275	<del>  0</del>	0.019	0.275
67-64-1			1.37	U	0.019	1.37
107-02-8	Acetone		1.37	U	0.056	
107-02-8	Acrolein	· · · · · · · · · · · · · · · · · · ·	1.37	1 0	0.110	1.37
71_43_2	Acrylonitrile		2 94	+	0.059	0.275
/ I=4.5=/	18407000		. / 44		111111/53	. 0.775

SAMPLE NO.

T-6-NORTH

Lab Name: GC	AL Contract:				
_ab Code: _LA0	Contract: Contract: Case No.:	SAS No.:		5DG No.: 211011	405
Matrix: (soil/wate	r) Solid				
	5.87 (g/ml) g	Lab Sample ID:	2110114051	0	
	LOW			,	
	dec. 22.5			Time: 16	25
	TX-VMS-30 ID: 25 (mm				
			•	Time: 16	
	MSV11				
	me: (µL			Analyst:	
Soil Aliquot Volur	me: ( µL	Prep Batch:		Analytical	Batch: 449013
CONCENTRAT	TION UNITS: mg/kg	Analytical Method	d: <u>SW-846</u> 8	3260	
CAS NO.		RESULT	Q	MDL	RL
108-86-1	Bromobenzene	-0.275	l u l	0.017	0.275
75-27-4	Bromodichloromethane	0.275	U	0.00824	0.275
75-25-2	Bromoform	0,275	U.	0.013	0.275
74-83-9	Bromomethane	0,275	U	0.080	0.275
75-15-0	Carbon disulfide	0.275	U	0.026	0.275
56-23-5	Carbon tetrachloride	0,275	U	0.013	0.275
108-90-7	Chlorobenzene	0.275	U	0.010	0.275
75-00-3	Chloroethane	0.275	U	0.036	0.275
67-66-3	Chloroform	0.293	<u> </u>	0.014	0.275
74-87-3	Chloromethane	0.275	-UI	0.042	0.275
110-82-7	Cyclohexane	0.063	J	0.00967	0.275
124-48-1	Dibromochloromethane	0.275	U	0.00769	0.275
74-95-3	Dibromomethane	0.275	υ	0.017	0.275
75-71-8	Dichlorodifluoromethane	0.275	υ	0.00610	0.275
100-41-4	Ethylbenzene	1.83	<del> </del>	0.011	0.275
87-68-3	Hexachlorobutadiene	0.275	U	0.013	0.275
98-82-8	Isopropylbenzene (Cumene)	0.221	J	0.011	0.275
79-20-9	Methyl Acetate	0.275	U	0.019	0.275
74-88-4	Methyl iodide	0.275	U	0.072	0.275
108-87-2	Methylcyclohexane	0.275	U	0.00901	0.275
75-09-2	Methylene chloride	0.549	U	0.019	0.549
91-20-3	Naphthalene	0.427		0.045	0.275
100-42-5	Styrene	0.275	U	0.015	0.275
127-18-4	Tetrachloroethene	0.275	U	0.011	0.275
108-88-3	Toluene	0.271	J	0.011	0.275
79-01-6	Trichloroethene	0.174	J	0.013	0.275
75-69-4	Trichlorofluoromethane	0.275	U	0.00736	0.275
76-13-1	Trichlorotrifluoroethane	0.275	U	0.063	0.275
108-05-4	Vinyl acetate	0.275	U	0.012	0.275
75-01-4	Vinyl chloride	0.275	U	0.00742	0.275
1330-20-7	Xylene (total)	1.02	ì	0.038	0.549
156-59-2	cis-1,2-Dichloroethene	0.275	. U	0.00945	0.275

SAMPLE NO.

T-6-NORTH

Lab Name: GC/	AL Contra	act:				
Lab Code: LA02	Case No.:		SAS No.:	SI	DG No.: 211011	405
Matrix: (soil/water)	) Solid			•		
Sample wt/vol: _5	5.87 (g/ml) g		Lab Sample ID:	21101140510	i ·	
Level: (low/med)	LOW		Lab File ID: 21	10116/a8979		
% Moisture: not de			Date Collected:	01/13/11	Time: 16	25
	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
Instrument ID: M	SV11		Date Analyzed:	01/16/11	Time: 16	51
Soil Extract Volum	ne:	( µL	Dilution Factor:	50	Analyst:	RJU
Soil Aliquot Volum		(µL	Prep Batch:			Batch: 449013
CONCENTRATI	ON UNITS: mg/kg		Analytical Metho	d: <u>SW-846</u> 82	60	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		0.275	U	0.00796	0.275
136777-61-	m,p-Xylene		0.664	1	0.028	0.275
71-36-3	n-Butyl alcohol		1.37	U	1.01	1.37
104-51-8	n-Butylbenzene		0.275	U	0.019	0.275
103-65-1	n-Propylbenzene		0.155	J	0.015	0.275
95-47-6	o-Xylene		0.357	1 1	0.010	0.275
135-98-8	sec-Butylbenzene		0.275	V	0.014	0.275
1634-04-4	tert-Butyl methyl ether (MTBE)		0.479		0.00917	0.275
98-06-6	tert-Butylbenzene		0.275	U	0.013	0.275
156-60-5	trans-1,2-Dichloroethene		0.275	U	0.011	0.275
10061-02-6	trans-1,3-Dichloropropene		0.275	U	0.012	0.275
110-57-6	trans-1,4-Dichloro-2-butene		0.275	U	0.031	0.275

SAMPLE NO.

BLIND DUP

Lab Name: GC/	AL Cont	ract:				,
Lab Çode: LA02	24 Case No.:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1405
Matrix: (soil/water			•			
	5.71 (g/ml) g		Lab Sample ID:	2110114051	1	
			•	1		
Level: (low/med)	LOW		Lab File ID: 21	10116/a8986	<del></del>	****
% Moisture: not d	ec. 24.1		Date Collected:	01/13/11	Time: _00	000
GC Column: RT	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: N	ISV11		Date Analyzed:	01/16/11	Time: 19	946
	ne:	( m	Dilution Factor:	***************************************		CLH
				10000		
Soil Aliquot Volun	ne:	_ (µL	Prep Batch:	i	Analytical	Batch: 449013
CONCENTRAT	ION UNITS: mg/kg		Analytical Metho	od: SW-846 8	260	
CAS NO.	COMPOUND	1	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		57.7	1 U	1.21	57.7
71-55-6	1,1,1-Trichloroethane		57.7	U	2.67	57.7
79-34-5	1,1,2,2-Tetrachloroethane		57.7	U	3.19	57.7
79-00-5	1,1,2-Trichloroethane		57.7	U	2.71	57.7
75-34-3	1,1-Dichloroethane		57.7	U	3.83	57.7
75-35-4	1,1-Dichloroethene		57.7	U	7.70	57.7
563-58-6	1,1-Dichloropropene		57.7	U.	2.40	. 57.7
96-18-4	1,2,3-Trichloropropane		23.1	U	4.01	23.1
120-82-1	1,2,4-Trichlorobenzene		57.7	U	3.52	57.7
95-63-6	1,2,4-Trimethylbenzene		57.7	U	3.44	57.7
96-12-8	1,2-Dibromo-3-chloropropane		57.7	U	9.25	57.7
106-93-4	1,2-Dibromoethane		57.7	U	2.76	57.7
95-50-1	1,2-Dichlorobenzene		57.7	U	3.75	57.7
107-06-2	1,2-Dichloroethane		57.7	Ü.	1.51	57.7
78-87-5	1,2-Dichloropropane		57.7	U	1.25	57.7
108-67-8	1,3,5-Trimethylbenzene	·····	57.7	U	2.78	57.7
541-73-1	1,3-Dichlorobenzene		57.7	U	3.68	57.7
142-28-9	1,3-Dichloropropane		57.7	U	2.07	57.7
106-46-7	1,4-Dichlorobenzene		57.7	U	4.74	57.7
594-20-7	2,2-Dichloropropane		57.7	U	13.4	57.7
78-93-3	2-Butanone		57.7	U	6.96	57.7
110-75-8	2-Chloroethylvinyl ether		57.7	U	2.70	57.7
95-49-8	2-Chlorotoluene		57.7	Ų	3.05	57.7
591-78-6	2-Hexanone		57.7	Ū	3.91	.57.7
106-43-4	4-Chlorotoluene		57.7	U	3.53	57.7
99-87-6	4-Isopropyltoluene		57.7	Ü	3.07	57.7
108-10-1	4-Methyl-2-pentanone		57.7	U	3.94	57.7
67-64-1	Acetone		289	Ü	12.2	289
107-02-8	Acrolein		289	U	23.1	289
107-13-1	Acrylonitrile		289	Ų	12.4	289
71-43-2	Benzene		13.1	J	1.58	57.7

SAMPLE NO.

BLIND DUP

Lab Name: CCAI	Contr	· a a t ·	•			<u> </u>
	Contr					
Lab Code: LA024	Case No.:		SAS No.:		SDG No.: 211011	1405
Matrix: (soil/water)	Solid					
Sample wt/vol: 5.	71 (g/ml) g		Lab Sample ID:	211011405	11	
	LOW			10116/a8986		
% Moisture: not ded						
					Time: _00	
GC Column: RTX-	-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: MS	SV11		Date Analyzed:	01/16/11	Time: _19	946
	):		Dilution Factor:	10000	Analyst:	CLH
Soil Aliquot Volume	:	, ( µL	Prep Batch:		Analytical	Batch: 449013
CONCENTRATIO	N UNITS: mg/kg		Analytical Metho	d: <u>SW-846</u>	8260	
			DCOLU T	•	***	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		57.7	U	3.47	57.7
75-27-4	Bromodichloromethane		57.7	U	1.73	57.7
75-25-2	Bromoform		57.7	U	2.67	57.7
74-83-9	Bromomethane		57.7	U	16.9	57.7
75-15-0	Carbon disulfide		57.7	U	5.37	57.7
56-23-5	Carbon tetrachloride		57.7	U	2.72	57.7
108-90-7	Chlorobenzene		57,7	U	2.17	57.7
75-00-3	Chloroethane		57.7	U	7.61	57.7
67-66-3	Chloroform		57.7	U	2.84	57.7
74-87-3	Chloromethane		57.7	U	8.74	57.7
110-82-7	Cyclohexane		57.7	U	2.03	57.7
124-48-1	Dibromochloromethane		57.7	U	1.62	57.7
74-95-3	Dibromomethane		57.7	υ	3.62	57.7
75-71-8	Dichlorodifluoromethane		57,7	U	1.28	57.7
100-41-4	Ethylbenzene		156		2.38	57.7
87-68-3	Hexachlorobutadiene		57.7	U	2.69	57.7
98-82-8	Isopropylbenzene (Cumene)		924	<u> </u>	2.25	57.7
79-20-9	Methyl Acetate		57.7	U	3.95	57.7
74-88-4	Methyl iodide		57.7	Ū	15.1	57.7
108-87-2	Methylcyclohexane		57.7	U	1.89	57.7
75-09-2	Methylene chloride		115	U	4.02	115
91-20-3	Naphthalene -		15.7	J	9.52	- 57.7
100-42-5	Styrene		15.2	J	3.05	57.7
127-18-4	Tetraçhloroethene		57.7	U	2.39	57.7
108-88-3	Toluene		19.2	J	2.31	57.7
79-01-6	Trichloroethene		57.7	U	2.70	57.7
75-69-4	Trichlorofluoromethane		57.7	Ü	1.55	57.7
76-13-1	Trichlorotrifluoroethane		57.7	U	13.3	57.7
108-05-4	Vinyl acetate		57.7	U	2.56	57.7
75-01-4	Vinyl chloride		57.7	U	1.56	57.7
1330-20-7	Xylene (total)		98.9	J	7.92	115
156-59-2	cis-1.2-Dichloroethene		57.7	Ü	1.99	57.7

FORM I VOA

SAMPLE NO.

BLIND DUP

Lab Name: GC	AL Con	tract:		Ž	****	
ab Code: LA0	24 Case No.:		SAS No.:		SDG No.: 21101	1405
Matrix: (soil/wate	r) Solid			!		
Sample wt/vol:	5.71 (g/ml) g	····	Lab Sample ID:	2110114051	1	
evel: (low/med)	LOW	,	Lab File ID: 21	10116/a8986		
	dec. 24.1		Date Collected:	01/13/11	Time: _0	0000
	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: _N	MSV11	•	Date Analyzed:	01/16/11	Time: 1	946
Soil Extract Volur	me:	( µL	Dilution Factor:	10000	Analyst:	CLH
Soil Aliquot Volur	me:	(pL	Prep Batch:	Pi I	Analytica	al Batch: 449013
CONCENTRAT	TON UNITS: mg/kg		Analytical Metho	od: SW-846 8	260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		57.7	U	1.67	57.7
136777-61-	m,p-Xylene		57.7	U	5.81	57.7
71-36-3	n-Butyl alcohol	·	289	U	211	289
104-51-8	n-Butylbenzene		57.7	U	4.03	57.7
103-65-1	n-Propylbenzene	,	57.7	U	3.13	57.7
95-47-6	o-Xylene		98.9	-	2.18	57.7
135-98-8	sec-Butylbenzene		57.7	U,	2.90	57.7
1634-04-4	tert-Butyl methyl ether (MTBE)		57.7	U	1.93	57.7
98-06-6	tert-Butylbenzene		57.7	U	2.74	57.7
156-60-5	trans-1,2-Dichloroethene		57.7	U	2.33	57.7
10061-02-6	trans-1,3-Dichloropropene	<del></del>	57.7	U	2.54	57.7
110-57-6	trans-1,4-Dichloro-2-butene		57.7	. U	6.56	57.7

SA	MP	LE	NC
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	SC-W		
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Lab Name: GC	AL Contract:				
	24 Case No.:			SDG No.: 211011	405
Matrix: (soil/wate	r) Solid	,			
Sample wt/vol:	5.85 (g/ml) g	Lab Sample ID:	211011405	512	
	LOW	Lab File ID: 21			
		, I <del>-Tana</del>			
% Moisture: not d	dec. 23.5	Date Collected:		······································	45
GC Column: RT	X-VMS-30 ID: .25 (mm	Date Received:	01/14/11		
Instrument ID: N	MSV11	Date Analyzed:	01/16/11	Time: 17	15
Soil Extract Volur	me: (µL	Dilution Factor:	50	Analyst:	RJU
Soil Aliquot Volur	i i	Prep Batch:		Analytical	
Son Anquot voiui	me: (µL	·			Datcii. 449013
CONCENTRAT	TION UNITS: mg/kg	Analytical Metho	d: <u>SW-846</u>	8260	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1000 000		- 1 - 2 2 2 2			
630-20-6	1,1,1,2-Tetrachioroethane	0.279	U	0.00586	0.279
71-55-6 79-34-5	1,1,1,Trichloroethane	0.279	<del> </del>	0.013	0.279 0.279
79-34-5	1,1,2,7-retractionoethane	0.279	<del>                                     </del>	0.013	0.279
75-34-3	1,1-Dichloroethane	0.279	1 0	0.019	0.279
	1.1-Dichloroethene	0.279	- U	0.019	
75-35-4		0.279	1 0	0.012	0.279 0.279
563-58-6 96-18-4	1,1-Dichloropropene 1,2,3-Trichloropropane	0.279	1 0	0.012	0.279
120-82-1	1,2,4 ¹ Trichlorobenzene	0.279	1 0	0.013	0.279
95-63-6	1,2,4-Trimethylbenzene	0.111	+ ;-	0.017	0.279
96-12-8	1,2-Dibromo-3-chloropropane	0.279	1 0	0.045	0.279
106-93-4	1,2-Dibromoethane	0.279	1 0	0.013	0.279
95-50-1	1,2-Dichlorobenzene	0.279	+ 0	0.018	0.279
107-06-2	1,2-Dichloroethane	0.279	<del>  ~~</del>	0.00731	0.279
78-87-5	1,2-Dichloropropane	0.279	1 0	0.00603	0.279
108-67-8	1,3,5‡Trimethylbenzene	0.057	1 3	0.013	0.279
541-73-1	1,3-Dichlorobenzene	0.279	T U	0.018	0.279
142-28-9	1,3-Dichloropropane	0.279	Ū	0.00999	0.279
106-46-7	1,4-Dichlorobenzene	0.279	U	0.023	0.279
594-20-7	2,2-Dichloropropane	0.279	U	0.065	0.279
78-93-3	2-Butanone	0.279	U	0.034	0.279
110-75-8	2-Chloroethylvinyl ether	0.279	U	0.013	0.279
95-49-8	2-Chlorotoluene	0.279	U	0.015	0.279
591-78-6	2-Hexanone	0.279	U	0.019	0.279
106-43-4	4-Chlorotoluene	0.279	U	0.017	0.279
99-87-6	4-Isopropyltoluene	0.279	Ú	0.015	0.279
108-10-1	4-Methyl-2-pentanone	0.279	U	0.019	0.279
67-64-1	Acetone	1.40	U	0.059	1.40
107-02-8	Acrolein	1.40	U	0.112	1.40
107-13-1	Acrylonitrile	1.40	U	0.060	1.40
71-43-2	Benzene	0.102	J	0.00765	0.279

FORM I VOA

SAMPLE NO.

SC-W	<i>i</i>	
00-1	•	

			•			
Lab Name: GC	CAL Contr	ract:				
ab Code: LAC	O24 Case No.:		SAS No.:	<u> </u>	SDG No.: 2110114	05
	er) Solid					
	5.85 (g/ml) g		Lab Sample ID:	2110114051	2	•
evel: (low/med)	LOW	***************************************	Lab File ID: 211			
Maiatura: nat	LOW		Date Collected:			
Moisture: not				······································	Time: 164	
iC Column: R	TX-VMS-30 ID: .25	(mm	Date Received:	01/14/11	<del></del>	
strument ID: _	MSV11		Date Analyzed:	01/16/11	Time: 171	5
oil Extract Volu	me:	(µL	Dilution Factor:	50	Analyst: F	เงบ -
	me:				Analytical E	
		. `'	Analytical Method	:		
CONCENTRA	TION UNITS: mg/kg		Analytical Method	• 7		
CÁS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		0.279	T U	0.017	0.279
75-27-4	Bromodichloromethane		0.279	U	0.00838	0.279
75-25-2	Bromoform		0.279	<del>                                     </del>	0.013	0.279
74-83-9	Bromomethane		0.279	<del>                                     </del>	0.082	0.279
75-15-0	Carbon disulfide		0.279	U	0.026	0.279
56-23-5	Carbon tetrachloride		0.279	1 0	0.013	0.279
108-90-7	Chlorobenzene		0.279	1 U'	0.010	0.279
75-00-3	Chloroethane		0.279	1 0	0.037	0.279
67-66-3	Chloroform		0.279	1 0	0.014	0.279
74-87-3	Chloromethane		0.279	1 0	0.042	0.279
110-82-7	Cyclohexane		0.208	<del>  j</del>	0.00983	0.279
124-48-1	Dibromochloromethane		0.279	T U	0.00782	0.279
74-95-3	Dibromomethane		0.279	1 U	0.018	0.279
75-71-8	Dichlorodifluoromethane		0.279	U	0.00620	0.279
100-41-4	Ethylbenzene		0.144	J	0.012	0.279
87-68-3	Hexachlorobutadiene		0.279	יט	0.013	0.279
98-82-8	Isopropylbenzene (Cumene)		0.328	l l	0.011	0.279
79-20-9	Methyl Acetate		0.279	U	0.019	0.279
74-88-4	Methyl iodide		0.279	U	0.073	0.279
108-87-2	Methylcyclohexane		0.279	U	0.00916	0.279
75-09-2	Methylene chloride		0.558	U	0.019	0.558
91-20-3	Naphthalene		0.118	J	0.046	0.279
100-42-5	Styrene		0.279	U	0.015	0.279
127-18-4	Tetrachloroethene		0.279	U	0.012	0.279
108-88-3	Toluene .		0.279	U.	0.011	0.279
79-01-6	Trichloroethene		0.279	U	0.013	0.279
75-69-4	Trichlorofluoromethane		0.279	U	0.00748	0.279
76-13-1	Trichlorotrifluoroethane		0.279	U	0.064	0.279
108-05-4	Vinyl acetate		0.279	U	0.012	0.279
75-01-4	Vinyl chloride		0.279	U	0.00754	0.279
1330-20-7	Xylene (total)		0.226	J	0.038	0.558
156-59-2	cis-1,2-Dichloroethene		0.279	υ	0.00960	0.279

O/ 11111		140.		
 S	C-W	1		_

	·					
Lab Name: GC	AL Con	tract:				
_ab Code: _LA0	24 Case No.:		SAS No.:		DG No.: 211011	405
Matrix: (soil/water	Solid					
Sample wt/vol:	5.85 (g/ml) g	.,	Lab Sample ID:	2110114051	2 .	
.evel: (low/med)	LOW		Lab File ID: 21	10116/a8980		
6 Moisture: not d	lec. 23.5		Date Collected:	01/13/11	Time: _16	345
GC Column: RT	X-VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: N	MSV11		Date Analyzed:	01/16/11	Time: _17	'15
Soil Extract Volum	ne:	(µL	Dilution Factor:	50	Analyst:	RJU
Soil Aliquot Volun	ne:	( µL	Prep Batch:		Analytical	Batch: 449013
CONCENTRAT	ION UNITS: mg/kg		Analytical Metho	d: <u>SW-846 8</u>	260	· .
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene		0.279	U	0.00810	0.279
136777-61-	m,p-Xylene		0.117	J	0.028	0.279
71-36-3	n-Butyl alcohol		1.40	U	1.02	1.40
104-51-8	n-Butylbenzene		0.279	U	0.019	0.279
103-65-1	n-Propylbenzene		0.279	U	0.015	0.279
95-47-6	o-Xylene		0.109	J	0.011	0.279
135-98-8	sec-Butylbenzene		0.279	U	0.014	0.279
1634-04-4	tert-Bûtyl methyl ether (MTBE)		0.279	U	0.00932	0.279
98-06-6	tert-Butylbenzene		0.279	Ü	0.013	0.279
156-60-5	trans-1,2-Dichloroethene		0.279	U	0.011	0.279
10061-02-6	trans-1,3-Dichloropropene		0.279	U	0.012	0.279
110-57-6	Itrans-1 4-Dichloro-2-butene		0.279	U	0.032	0.279

SAMPLE	: NO
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sc	)-E	

Lab Name: GO	CAL Contract:			-	
_ab Code: _LA	· · · · · · · · · · · · · · · · · · ·	SAS No.:	-	SDG No.: 211011	405
Matrix: (soil/wate	er) Solid	_			
Sample wt/voi:	4.93 (g/ml) g	Lab Sample ID:	211011405	13	
	) LOW	•	0116/a8981		
	dec. 26.3	-	01/13/11	Time: 16	55 .
	TX-VMS-30 ID: .25 (mm				
	MCV/44	Date Analyzed:		Time: 17	20 .
nstrument ID:		····			
Soil Extract Volu	ıme: ( µL	Dilution Factor:	50	Analyst:	RJU
Soil Aliquot Volu	ıme: (μL	Prep Batch:		Analytical	Batch: <u>449013</u>
CONCENTRA	TION UNITS: mg/kg	Analytical Method	: SW-846	8260	. *
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.344	Ιυ	0.00722	0.344
71-55-6	1,1,1-Trichloroethane	0.344	Ü.	0.016	0.344
79-34-5	1,1,2,2-Tetrachloroethane	0.344	U:	0.019	0.344
79-00-5	1,1,2-Trichloroethane	0.344	U	0.016	0.344
75-34-3	1,1-Dichloroethane	0.344	U	0.023	0.344
75-35-4	1,1-Dichloroethene	0.344	U	0.046	0.344
563-58-6	1,1-Dichloropropene	0.344	U	0.014	0.344
96-18-4	1,2,3-Trichloropropane	0.138	U	0.024	0.138
120-82-1	1,2,4-Trichlorobenzene	0.344	, U	0.021	0.344
95-63-6	1,2,4-Trimethylbenzene	0.074	J	0.020	0.344
96-12-8	1,2-Dibromo-3-chloropropane	0.344	U	0.055	0.344
106-93-4	1,2-Dibromoethane	0.344	U	0.016	0.344
95-50-1	1,2-Dichlorobenzene	0.344	- U	0.022	0.344
107-06-2	1,2-Dichloroethane	0.344	U	0.00901	0.344
78-87-5	1,2-Dichloropropane	0.344	Ų	0.00743	0.344
108-67-8	1,3,5-Trimethylbenzene	0.344	U	0.017	0.344
541-73-1	1,3-Dichlorobenzene	0.344	U	0.022	0.344
142-28-9	1,3-Dichloropropane	0.344	Ų	0.012	0.344
106-46-7	1,4-Dichlorobenzene	0.344	υ	0.028	0.344
594-20-7	2,2-Dichloropropane	0.344	Ų	0.080	0.344
78-93-3	2-Butanone	0.344	U	0.041	0.344
110-75-8	2-Chloroethylvinyl ether	0.344	Ų	0.016	0.344
95-49-8	2-Chlorotoluene	0.344	U	0.018	0.344
591-78-6	2-Hexanone	0.344	Ų	0.023	0.344
106-43-4	4-Chlorotoluene	0.344	υ	0.021	0.344
99-87-6	4-Isopropyltoluene	0.344	U	0.018	0.344
108-10-1	4-Methyl-2-pentanone	0.344	Ü	0.023	0.344
67-64-1	Acetone	1.72	U	0.073	1.72
107-02-8	Acrolein	1.72	U	0.138	1.72
107-13-1	Acrylonitrile	1.72	. U	0.074	1.72
71-43-2	Benzene	0.344	U	0.00942	l 0.344 l

SAMPLE NO.

SC-E

Lab Name: GC	CAL Contr	act:				
Lab Code: LA024						1405
 Matrix: (soil/wate					<del></del>	
Sample wt/vol:	4.93 (g/ml) g		Lab Sample ID:	2110114051	3	
Level: (low/med)			Lab File ID: 211	0116/a8981		
% Moisture: not	dec. 26.3		Date Collected:	01/13/11	Time: 1	655
	TX-VMS-30 ID: .25		Date Received:	01/14/11		•
nstrument ID:	MSV11	•	Date Analyzed:	01/16/11	Time: 1	739
 Soil Extract Volu	me:	(µL	Dilution Factor:			RJU
	me:					l Batch: 449013
•	#1	, ,,	Analytical Method		•	<u> </u>
CONCENTRAT	TION UNITS: mg/kg					
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		0.344	U	0.021	0.344
75-27-4	Bromodichloromethane		0.344	U	0.010	0.344
75-25-2	Bromoform		0.344	U	0.016	0.344
74-83-9	Bromomethane		0.344	U	0.100	0.344
75-15-0	Carbon disulfide		0.344	U	0.032	0.344
56-23-5	Carbon tetrachloride		0.344	U	0.016	0.344
108-90-7	Chlorobenzene		0.344	U	0.013	0.344
75-00-3	Chloroethane		0.344	U	0.045	0.344
67-66-3	Chloroform		0.344	U.	0.017	0.344
74-87-3	Chloromethane		0.344	U	0.052	0.344
110-82-7	Cyclohexane		0.106	J	0.012	0.344
124-48-1	Dibromochloromethane		0.344	U	0.00963	0.344
74-95-3	Dibromomethane		0.344	U	0.022	0.344
75-71-8	Dichlorodifluoromethane		0.344	1 0	0.00763	0.344
100-41-4	Ethylbenzene		0.195	J	0.014	0.344
87-68-3	Hexachlorobutadiene		0.344	U	0.016	0.344
98-82-8	Isopropylbenzene (Cumene)		0.427		0.013	0.344
79-20-9	Methyl Acetate		0.344	U	0.024	0.344
74-88-4	Methyl iodide		0.344	U	0.090	0.344
108-87-2	Methylcyclohexane		0.344	U	0.011	0.344
75-09-2	Methylene chloride		0.688	U	0.024	0.688
91-20-3	Naphthalene		0.164	J	0.057	0.344
100-42-5	Styrene		0.344	U	0.018	0.344
127-18-4	Tetrachloroethene	٠,	0.344	. U	0.014	0.344
108-88-3	Toluene		0.344	U	0.014	0.344
79-01-6	Trichlöroethene		0.344	U	0.016	0.344
75-69-4	Trichlorofluoromethane		0.344	U	0.00922	0.344
76-13-1	Trichlorotrifluoroethane		0.344	U	0.079	0.344
108-05-4	Vinyl acetate		0.344	U	0.015	0.344
75-01-4	Vinyl chloride		0.344	U	0.00928	0.344
1330-20-7	Xylene (total)	_	0.187	J	0.047	0.688
156-59-2	cis-1,2-Dichloroethene		0.344	U	0.012	0.344

SAS No.:

S	Αl	M	Р	L	E	N	O	

		ſ	SC-E
	. •		
S No.:		SDG No.:	211011405
Lab Sample ID:	21101140	513	
Lab File ID: 211	0116/a898	1	-

% Moisture: not dec. 26.3 Date Collected: 01/13/11 Time: 1655 GC Column: RTX-VMS-30 ID: .25 Date Received: 01/14/11 (mm

Contract:

Case No.:

(g/ml) g

Lab Name: GCAL

Lab Code: LA024

Matrix: (soil/water) Solid

Sample wt/vol: 4.93

Level: (low/med) LOW

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1739

(µL Soil Extract Volume: Dilution Factor: 50 Analyst: RJU Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260 CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.344	U:	0.00997	0.344
136777-61-	m,p-Xylene	0.100	J.	0.035	0.344
71-36-3	n-Butyl alcohol	1.72	U	1.26	1.72
104-51-8	n-Butylbenzene	0.344	U	0.024	0.344
103-65-1	n-Propylbenzene	0.344	U	0.019	0.344
95-47-6	o-Xylene	0.087	J	0.013	0.344
135-98-8	sec-Butylbenzene	0.344	U	0.017	0.344
1634-04-4	tert-Butyl methyl ether (MTBE)	0.344	U	0.011	0.344
98-06-6	tert-Butylbenzene	0.344	U	0.016	0.344
156-60-5	trans-1,2-Dichloroethene	0.344	U,	0.014	0.344
10061-02-6	trans-1,3-Dichloropropene	0.344	U	0.015	0.344
110-57-6	trans-1,4-Dichloro-2-butene	0.344	U,	0.039	0.344

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GC	AL Contract	:				
Lab Code: LA0			SAS No.:		SDG No.: 21101	1405
Matrix: (soil/wate	r) Water					
Sample wt/vol:	5 (g/ml) mL		Lab Sample ID:	211011405	14	•
evel: (low/med).			Lab File ID: 21			
			, , , , , , , , , , , , , , , , , , ,			
% Moisture: not o	dec.		Date Collected:	01/13/11	Time: 1	710
C Column: R1	TX-VMS-30 . ID: .25 (r	nm	Date Received:	01/14/11		
nstrument ID:	MSV11		Date Analyzed:	01/16/11	Time: 1	142
	me: (		Dilution Factor:			RJU
Soil Aliquot Volur	1			**************************************	,	Batch: 449012
ion miquot voidi	1	pc.				1 Daten. 443012
CONCENTRAT	TON UNITS: mg/L		Analytical Metho	d: <u>SW-846</u>	8260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane		0.00500	T U	0.000113	0.00500
71-55-6	1,1,1-Trichloroethane		0.00500	Ū	0.000106	0.00500
79-34-5	1,1,2,2-Tetrachloroethane		0.00500	U	0.000072	0.00500
79-00-5	1,1,2-Trichloroethane		0.00500	U	0.000095	0.00500
75-34-3	1.1-Dichloroethane		0.00500	U	0.000030	. 0.00500
75-35-4	1,1-Dichloroethene		0.00500	U	0.000164	0.00500
563-58-6	1,1-Dichloropropene		0.00500	Ü	0.000067	0.00500
96-18-4	1,2,3-Trichloropropane		0.00500	U	0.000100	0.00500
120-82-1	1,2,4-Trichlorobenzene		0.00500	U	0.000119	0.00500
95-63-6	1,2,4-Trimethylbenzene		0.00500	U	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane		0.00500	U	0.000082	0.00500
106-93-4	1,2-Dibromoethane		0.00500	, U	0.000046	0.00500
95-50-1	1,2-Dichlorobenzene		0.00500	<del>                                     </del>	0.000078	0.00500
107-06-2	1,2-Dichloroethane		0.00500	U	0.000086	0.00500
78-87-5	1,2-Dichloropropane		0.00500	U	0.000064	0.00500
108-67-8	1,3,5-Trimethylbenzene		0.00500	U	0.000021	0.00500
541-73-1	1,3-Dichlorobenzene		0.00500	Ų	0.000098	0.00500
142-28-9	1,3-Dichloropropane		0.00500	T U	0.000041	0.00500
106-46-7	1,4-Dichlorobenzene		0.00500	U	0.000118	0.00500
594-20-7	2,2-Dichloropropane		0.00500	U	0.000117	0.00500
78-93-3	2-Butanone		0.00500	U	0.000093	0.00500
110-75-8	2-Chloroethylvinyl ether		0.00500	U	0.000515	0.00500
95-49-8	2-Chlorotoluene		0.00500	U	0.000044	0.00500
591-78-6	2-Hexanone		0.00500	U	0.000503	0.00500
106-43-4	4-Chlorotoluene		0.00500	U	0.000052	0.00500
99-87-6	4-Isopropyltoluene		0.00500	U	0.000037	0.00500
108-10-1	4-Methyl-2-pentanone		0.00500	U	0.000065	0.00500
67-64-1	Acetone		0.025	U	0.00115	0.025
107-02-8	Acrolein		0.025	U	0.00169	0.025
107-13-1	Acrylonitrile		0.025	U	0.00100	0.025
71-43-2	Benzene		0.00500	1 1	0.000054	0.00500

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GCAL	Contr	act:		ļ ļ	,	
	Case No.:				SDG No.: 211011	405
Matrix: (soil/water)	,					· · · · · · · · · · · · · · · · · · ·
Sample wt/vol: 5	(g/ml) mL		Lab Sample ID:	211011405	14	
Level: (low/med) _L	.ow		Lab File ID: 211	0116/a8966	3	
	<b>.</b> <u> </u>			01/13/11	Time: 17	10
	VMS-30 ID: .25			l l		
Instrument ID: MSV11			Date Analyzed:			
Soil Extract Volume		( µԼ	· .		Analyst:	RJU
			Prep Batch:		Analytical	
			- Analytical Method			
CONCENTRATIO	•					
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
108-86-1	Bromobenzene		0.00500	U	0.000084	0.00500
75-27-4	Bromodichloromethane		0.00500	U.	0.000053	0.00500
75-25-2	Bromoform	_	0.00500	U	0.000104	0.00500
74-83-9	Bromomethane		0.00500	Ū	0.000264	0.00500
75-15-0	Carbon disulfide		0.00500	U	0.000143	0.00500
56-23-5	Carbon tetrachloride		0.00500	Ū	0.000148	0.00500
108-90-7	Chlorobenzene		0.00500	U U	0.000027	0.00500
75-00-3	Chloroethane		0.00500		0.000351	0.00500
67-66-3	Chloroform		0.00500	U	0.000056	0.00500
74-87-3	Chloromethane		0.00500	Ü	0.000088	0.00500
110-82-7	Cyclohexane		0.00500	l Ü	0.000064	0.00500
124-48-1	Dibromochloromethane		0.00500	Ü	0.000040	0.00500
74-95-3	Dibromomethane	<del></del>	0.00500	·U	0.000184	0.00500
75-71-8	Dichlorodifluoromethane		0.00500	<del>                                     </del>	0.000096	0.00500
100-41-4	Ethylbenzene	~	0.00500	<del>U</del>	0.000062	0.00500
87-68-3	Hexachlorobutadiene		0.00500	<del>-</del>	0.000690	0.00500
98-82-8	Isopropylbenzene (Cumene)		0.00500	T U	0.000034	0.00500
79-20-9	Methyl Acetate	<del> </del>	0.00500	U	0.00142	0.00500
74-88-4	Methyl iodide	<del></del>	0.00500	Ü	0.000243	0.00500
108-87-2	Methylcyclohexane		0.00500	U	0.000072	0.00500
75-09-2	Methylene chloride		0.010	Ü	0.000327	0.010
91-20-3	Naphthalene		0.00500	Ü	0.000081	0.00500
100-42-5	Styrene		0.00500	Ū	0.000050	0.00500
127-18-4	Tetrachloroethene		0.00500	ų	0.000121	0.00500
108-88-3	Toluene		0.00500	υ	0.000059	0.00500
79-01-6	Trichloroethene		0.00500	<del>                                     </del>	0.000061	0.00500
75-69-4	Trichlorofluoromethane		0.00500	U	0.000123	0.00500
76-13-1	Trichlorotrifluoroethane		0.00500	<del>l ü</del>	0.000127	0.00500
108-05-4	Vinyl acetate		0.00500	<del>                                     </del>	0.000202	0.00500
75-01-4	Vinyl chloride	<del> </del>	0.00500	<del>- ŭ</del>	0.000093	0.00500
1330-20-7	Xylene (total)		0.010	Ü	0.000058	0.010
156-59-2	cis-1,2-Dichloroethene		0.00500	Ū	0.000061	0.00500

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GC/	AL Contract:		· ·		
Lab Code: LA02	Case No.:		S	OG No.: 211011	40Š
Matrix: (soil/water	) <u>Water</u>				
Sample wt/vol:	5 (g/ml) <u>mL</u>	Lab Sample ID:	21101140514		
Level: (low/med)	LOW	Lab File ID: 21	10116/a8966		
	ec.	Date Collected:	01/13/11	Time: _17	
	X-VMS-30 ID: .25 (mm		01/14/11		
Instrument ID: N	ISV11	Date Analyzed:	01/16/11	Time: _11	42
Soil Extract Volun	ne: (µL	Dilution Factor:	1	Analyst: _	RJU
Soil Aliquot Volum	ne: (µL	Prep Batch:		Analytical	Batch: <u>449</u> 012
CONCENTRAT	ION UNITS: mg/L	Analytical Metho	d: SW-846 82	60	
CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	.0.000031	0.00500
136777-61-	m,p-Xylene	0.010	U	0.000058	0.010
71-36-3	n-Butyl alcohol	0.025	U	0.000395	0.025
104-51-8	n-Butylbenzene	0.00500	U	0.000036	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000054	0.00500
95-47-6	o-Xylene	0.00500	U .	0.000027	0.00500
135-98-8	sec-Butylbenzene	0.00500	U ·	0.000026	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000051	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000077	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000107	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000054	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	l u	0.000329	0.00500

SAMPLE NO.

TR	ΙP	BL	ANK	(	1	

Lab Name: GC	AL Con	tract:				•		
_ab Code: _LA0			SAS No.:		SDG No.: 211011	405		
Matrix: (soil/wate	r) <u>Water</u>			,				
Sample wt/vol:	5 (g/ml) mL		Lab Sample ID:	2110114051	5			
_evel: (low/med)	LOW		Lab File ID: 2110116/a8967					
% Moisture: not d	lec.		Date Collected:	Date Collected: 01/13/11 Time: 1715				
GC Column: RT	TX-VMS-30 ID: .25	(mm	Date Received:	01/14/11				
nstrument ID: N	MSV11		Date Analyzed:	01/16/11	Time: _12	05		
Soil Extract Volur	me:	( µL	Dilution Factor:	1	Analyst:	RJU		
Soil Aliquot Volur		( µL	Prep Batch:	"!	Analytical	Batch: 449012		
CONCENTRAT	TON UNITS: mad		Analytical Method	d: SW-846	3260.			
CAS NO.	TION UNITS: mg/L  COMPOUND		RESULT	Q	MDL	RL		
				. 1	<b>-</b>			
630-20-6	1,1,1,2-Tetrachloroethane		0.00500	U	0.000113	0.00500		
71-55-6	1,1,1-Trichloroethane	·	0.00500	·U!	0.000106	0.00500		
79-34-5	1,1,2,2-Tetrachloroethane		0.00500	U	0.000072	0.00500		
79-00-5	1,1,2-Trichloroethane		0.00500	U	0.000095	0.00500		
75-34-3	1,1-Dichloroethane		0.00500	Uį	0.000030	0.00500		
75-35-4	1,1-Dichloroethene		0.00500	U	0.000164	0.00500		
563-58-6	1,1-Dichloropropene		0.00500	U	0.000067	0.00500		
96-18-4	1,2,3-Trichloropropane		0.00500	U	0.000100	0.00500		
120-82-1	1,2,4-Trichlorobenzene		0.00500	U	0.000119	0.00500		
95-63-6	1,2,4-Trimethylbenzene		0.00500	U	0.000027	0.00500		
96-12-8	1,2-Dibromo-3-chloropropane		0.00500	U'	0.000082	0.00500		
106-93-4	1,2-Dibromoethane		0.00500	U	0.000046	0.00500		
95-50-1	1,2-Dichlorobenzene		0.00500	U	0.000078	0.00500		
107-06-2	1,2-Dichloroethane		0.00500	U	0.000086	0.00500		
78-87-5	1,2-Dichloropropane		0.00500	U	0.000064	0.00500		
108-67-8	1,3,5-Trimethylbenzene		0.00500	U	0.000021	0.00500		
541-73-1	1,3-Dichlorobenzene		0.00500	U	0.000098	0.00500		
142-28-9	1,3-Dichloropropane		0.00500	U	0.000041	0.00500		
106-46-7	1,4-Dichlorobenzene		0.00500	U	0.000118	0.00500		
594-20-7	2,2-Dichloropropane		0.00500	U	0.000117	0.00500		
78-93-3	2-Butanone		0.00500	U,	0.000093	0:00500		
110-75-8	2-Chloroethylvinyl ether		0.00500	U	0.000515	0.00500		
95-49-8	2-Chiorotoluene		0.00500	U	0.000044	0.00500		
591-78-6	2-Hexanone		0.00500	U	0.000503	0.00500		
106-43-4	4-Chlorotoluene		0.00500	U	0.000052	0.00500		
99-87-6	4-Isopropyltoluene		0.00500	U	0.000037	0.00500		
108-10-1	4-Methyl-2-pentanone		0.00500	U	0.000065	0.00500		
67-64-1	Acetone	******	0.025	U	0.00115	0.025		
107-02-8	Acrolein		0.025	U	0.00169	0.025		
107-13-1	Acrylonitrile		0.025	U	0.00100	0.025		
71-43-2	Benzene		0.00500	U	0.000054	0.00500		

SAMPLE NO.

TRIP BLANK 1

Lab Name: GC	CAL Co	ntract:				· · · · · · · · · · · · · · · · · · ·	
ab Code: LA0	24 Case No.:		SAS No.:		SDG No.: 211011	405	
			-		***************************************		
•		·····	I ah Sample ID	211011405			
ample wovoi.	5 (g/ml) <u>mL</u>		Lab Sample ID: 21101140515				
evel: (low/med)	LOW	·	Lab File ID: 211	10116/a8967	• 		
6 Moisture: not	dec.		Date Collected:	01/13/11	Time: _17	15	
	TX-VMS-30 ID: .25		Date Received:	01/14/11			
nstrument ID:		·	,		Time: 12	05	
oil Extract Volu	me:	( hr	Dilution Factor:	1	Analyst:	RJU	
oil Aliquot Volui	me:	(µL	Prep Batch:		Analytical	Batch: 449012	
CONCENTRATION UNITS: mg/L			Analytical Method	Analytical Method: SW-846 8260			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL	
108-86-1	Bromobenzene		0.00500	U	0.000084	0.00500	
75-27-4	Bromodichloromethane		0.00500	U	0.000053	0.00500	
75-25-2	Bromoform		0.00500	U	0.000104	0.00500	
74-83-9	Bromomethane		0.00500	U	0.000264	0.00500	
75-15-0	Carbon disulfide		0.00500	υ	0.000143	0.00500	
56-23-5	Carbon tetrachloride		0.00500	- U	0.000148	0.00500	
108-90-7	Chlorobenzene		0.00500	υ	0.000027	0.00500	
75-00-3	Chloroethane	·	0.00500	υ	0.000351	0.00500	
67-66-3	Chloroform	<del></del>	0.00500	U	0.000056	0.00500	
74-87-3	Chloromethane	·····	0.00500	Ü	0.000088	0.00500	
110-82-7	Cyclohexane	<del></del>	0.00500	U	0.000064	0.00500	
124-48-1	Dibromochloromethane	···_	0.00500	U	0.000040	0.00500	
74-95-3	Dibromomethane		0.00500	U	0.000184	0.00500	
75-71-8	Dichlorodifluoromethane		0.00500	U	0.000096	0.00500	
100-41-4	Ethylbenzene		0.00500	U	0.000062	0.00500	
87-68-3	Hexachlorobutadiene		0.00500	U	0.000690	0.00500	
98-82-8	Isopropylbenzene (Cumene)		0.00500	U	0.000034	0.00500	
79-20-9	Methyl Acetate		0.00500	υ	0.00142	0.00500	
74-88-4	Methyl iodide		0.00500	Ū	0.000243	0.00500	
108-87-2	Methylcyclohexane		0.00500	U	0.000072	0.00500	
75-09-2	Methylene chloride		0.010	U	0.000327	0.010	
91-20-3	Naphthalene		0.00500	U	0.000081	0.00500	
100-42-5	Styrene	_	0.00500	U	0.000050	0.00500	
127-18-4	Tetrachloroethene		0.00500	U	0.000121	0.00500	
108-88-3	Toluene		0.00500	U	0.000059	0.00500	
79-01-6	Trichloroethene		0.00500	U	0.000061	0.00500	
75-69-4	Trichlorofluoromethane		0.00500	U	0.000123	0.00500	
76-13-1	Trichlorotrifluoroethane		0.00500	U	0.000127	0.00500	
108-05-4	Vinyl acetate		0.00500	υ	0.000202	0.00500	
75-01-4	Vinyl chloride		0.00500	· U	0.000093	0.00500	
1330-20-7	Xylene (total)		0.010	U	0.000058	0.010	
156-59-2	cis-1,2-Dichloroethene		0.00500	U	0.000061	0.00500	

FORM I VOA

SAMPLE NO.

Lab Name: GCAL	Cont	ract:			-	
ab Code: LA024	Case No.:		SAS No.:		SDG No.: 211011	405
Matrix: (soil/water)	Water			•		
Sample wt/vol: 5	(g/ml) mL		Lab Sample ID:	211011405	15	•
	.ow		Lab File ID: 211	0116/a8967		٠.
Moisture: not dec			Date Collected:	01/13/11	Time: 17	15
C Column: RTX-	VMS-30 ID: .25	(mm	Date Received:	01/14/11		
nstrument ID: MS	V11		Date Analyzed:	01/16/11	Time: _12	05
Soil Extract Volume: (			Dilution Factor:	1	Analyst:	RJU ·
	:		Prep Batch:		Analytical I	Batch: 449012
CONCENTRATIO	N UNITS: mg/L		Analytical Method	I: SW-846	8260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	- <u></u>	0.00500	υ	0.000031	0.00500
136777-61-	m,p-Xylene		0.010	U	0.000058	0.010
71-36-3	n-Butyl alcohol		0.025	U):	0.000395	0.025
104-51-8	n-Butylbenzene		0.00500	U,	0.000036	0.00500
103-65-1	n-Propylbenzene		0.00500	U	0.000054	0.00500
95-47-6	o-Xylene		0.00500	U	0.000027	.0.00500
135-98-8	sec-Butylbenzene		0.00500	υl	0.000026	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)		0.00500	U .	0.000051	0.00500
98-06-6	tert-Butylbenzene		0.00500	U	0.000077	0.00500
156-60-5	trans-1,2-Dichloroethene		0.00500	U;	0.000107	0.00500
10061-02-6	trans-1,3-Dichloropropene		0.00500	U	0.000054	0.00500
110-57-6	trans-1 4-Dichloro-2-butene		0.00500	U.	0.000329	0.00500

SAMPLE NO.

Lab Name: GC	AL Cont	ract:		3		
.ab Code: LA0	24 Case No.:		SAS No.: SDG No			405
 Matrix: (soil/wate	r) Water		~~~			·
Sample wt/vol:	5 (g/ml) mL		Lab Sample ID:	211011405	16	•
.evel: (low/med)	·		Lab File ID: 21			***************************************
	dec.	<del></del>	Date Collected:			720
					**************************************	
GC Column: R	TX-VMS-30 ID: .25	_ (mm	Date Received:			
nstrument ID: _	MSV11 :		Date Analyzed:	01/16/11	Time: _12	228
Soil Extract Volume:		_ (µL	Dilution Factor:	1	Analyst:	RJU
oil Aliquot Volur	me:	(µL	Prep Batch:		Analytical	Batch: 449012
CONCENTRATION UNITS: mg/L			Analytical Metho			
			, many mean meaner			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	·	0.00500	U	0.000113	0.00500
71-55-6	1,1,1-Trichloroethane		0.00500	U	0.000106	0.00500
79-34-5	1,1,2,2-Tetrachloroethane		0.00500	U	0.000072	0.00500
79-00-5	1,1,2-Trichloroethane		0.00500	U	0.000095	0.00500
75-34-3	1,1-Dichloroethane		0.00500	U	0.000030	0.00500
75-35-4	1,1-Dichloroethene		0.00500	U	0.000164	0.00500
563-58-6	1,1-Dichloropropene		0.00500	U	0.000067	0.00500
96-18-4	1,2,3-Trichloropropane		0.00500	U	0.000100	0.00500
120-82-1	1,2,4-Trichlorobenzene		0.00500	U	0.000119	0.00500
95-63-6	1,2,4-Trimethylbenzene		0.00500	U .	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane		0.00500	U	0.000082	0.00500
106-93-4	1,2-Dibromoethane		0.00500	· U	0.000046	0.00500
95-50-1	1,2-Dichlorobenzene	******	0.00500	Ų	0.000078	0.00500
107-06-2	1,2-Dichloroethane		0.00500	U	0.000086	0.00500
78-87-5	1,2-Dichloropropane		0.00500	U	0.000064	0.00500
108-67-8	1,3,5-Trimethylbenzene		0.00500	U	0.000021	0.00500
541-73-1	1,3-Dichlorobenzene		0.00500	U	0.000098	0.00500
142-28-9	1,3-Dichloropropane		0.00500	U	0.000041	0.00500
106-46-7	1,4-Dichlorobenzene		0.00500	U	0.000118	0.00500
594-20-7	2,2-Dichloropropane		0.00500	U	0.000117	0.00500
78-93-3	2-Butanone		0.00500	U	0.000093	0.00500
110-75-8	2-Chloroethylvinyl ether		0.00500	U	0.000515	0.00500
95-49-8	2-Chlorotoluene		0.00500	U	0.000044	0.00500
591-78-6	2-Hexanone		0.00500	U	0.000503	0.00500
106-43-4	4-Chlorotoluene		0.00500	U	0.000052	0.00500
99-87-6	4-Isopropyltoluene		0.00500	U	0.000037	0.00500
108-10-1	4-Methyl-2-pentanone		0.00500	U	0.000065	0.00500
67-64-1	Acetone	· · · · · · · · · · · · · · · · · · ·	0.025	U	0.00115	0.025
107-02-8	Acrolein		0.025	1 · U	0.00169	0.025
107-13-1	Acrylonitrile		0.025	U	0.00100	0.025
71-43-2	Benzene		0.00500	U	0.000054	0.00500

SAMPLE NO.

Lab Name: GCA	L Contract:		!				
	4 Case No.:				405		
Matrix: (soil/water)	Water		,				
Sample wt/vol: 5	(g/ml) mL	Lab Sample ID:	211011405	16	•		
Level: (low/med)		Lab Ella ID. 04	Lab File ID: 2110116/a8968				
 Moisture: not de %	ec.				20		
	(-VMS-30 ID: .25 (m		01/14/11				
Instrument ID: M		Date Analyzed:			28		
Soil Extract Volum	e: ( µ			Analyst:			
	e:(µ			Analytical			
		Analytical Metho			***************************************		
•	ON UNITS: mg/L	,					
CAS NO.	COMPOUND	RESULT	. Q	MDL	RL		
108-86-1	Bromobenzene	0.00500	U	0.000084	0.00500		
75-27-4	Bromodichloromethane	0.00500	U	0.000053	0.00500		
75-25-2	Bromoform	0.00500	U	0.000104	0.00500		
74-83-9	Bromomethane	0.00500	U	0.000264	0.00500		
75-15-0	Carbon disulfide	0.00500	U	0.000143	0.00500		
56-23-5	Carbon tetrachloride	0.00500	U	0.000148	0.00500		
108-90-7	Chlorobenzene	0.00500	ט"	0.000027	0.00500		
75-00-3	Chloroethane	0.00500	T U	0.000351	0.00500		
67-66-3	Chloroform	0.00500	U	0.000056	0.00500		
74-87-3	Chloromethane	0.00500	U	0.000088	0.00500		
110-82-7	Cyclohexane	0.00500	U	0.000064	0.00500		
124-48-1	Dibromochloromethane	0.00500	יט ו	0.000040	0.00500		
74-95-3	Dibromomethane	0.00500	T U	0.000184	0.00500		
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000096	0.00500		
100-41-4	Ethylbenzene	0.00500	U	0.000062	0.00500		
87-68-3	Hexachlorobutadiene	0.00500	U	0.000690	0.00500		
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000034	0.00500		
79-20-9	Methyl Acetate	0.00500	U	0.00142	0.00500		
74-88-4	Methyl iodide	0.00500	U	0.000243	0.00500		
108-87-2	Methylcyclohexane	0.00500	U	0.000072	0.00500		
75-09-2	Methylene chloride	0.010	U	0.000327	0.010		
91-20-3	Naphthalene	0.00500	U	0.000081	0.00500		
100-42-5	Styrene	0.00500	U.	0.000050	0.00500		
127-18-4	Tetrachloroethene	0.00500	U	0.000121	0.00500		
108-88-3	Toluene	0.00500	U,	0.000059	0.00500		
79-01-6	Trichloroethene	0.00500	Ü	0.000061	0.00500		
75-69-4	Trichlorofluoromethane	0.00500	Ū	0.000123	0.00500		
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000127	0.00500		
108-05-4	Vinyl acetate	0.00500	U	0.000202	0.00500		
75-01-4	Vinyl chloride	0.00500	U	0.000093	0.00500		
1330-20-7	Xylene (total)	0.010	U	0.000058	0.010		
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000061	0.00500		

SAMPLE NO.

Lab Name: GC/	AL Contrac	t:			the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
Lab Code: LA02	24 Case No.:	SAS	No.:	s	DG No.: 211011	405
Matrix: (soil/water	) Water	· · · · · · · · · · · · · · · · · · ·				
Sample wt/vol:	5 (g/ml) <u>mL</u>	***************************************	Lab Sample ID:	21101140516	<b>.</b>	
Level: (low/med)	LOW		Lab File ID: 21	10116/a8968		
% Moisture: not d			Date Collected:	01/13/11	Time: _17	20
GC Column: RT	X-VMS-30 ID: .25 (	(mm l	Date Received:	01/14/11		
Instrument ID: N	1SV11	1	Date Analyzed:	01/16/11	Time: _12	28
	ne:		Dilution Factor:	1	Analyst:	RJU
Soil Aliquot Volum			Prep Batch:		Analytical	Batch: 449012
CONCENTRATI	ION UNITS: mg/L	,	Analytical Metho	d: <u>SW-846 82</u>	260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	T	0.00500	T U	0.000031	0.00500
136777-61-	m,p-Xylene		0.010	U	0.000058	0.010
71-36-3	n-Butyl alcohol		0.025	U	0.000395	0.025
104-51-8	n-Butylbenzene		0.00500	U	0.000036	0.00500
103-65-1	n-Propylbenzene		0.00500	U	0.000054	0.00500
95-47-6	o-Xylene		0.00500	U	0.000027	0.00500
135-98-8	sec-Butylbenzene		0.00500	U	0.000026	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)		0.00500	U	0.000051	0.00500
98-06-6	tert-Butylbenzene		0.00500	U	0.000077	0.00500
156-60-5	trans-1,2-Dichloroethene		0.00500	υ	0.000107	0.00500
10061-02-6	trans-1,3-Dichloropropene		0.00500	U	0.000054	0.00500
110-57-6	trans-1,4-Dichloro-2-butene		0.00500	U	0.000329	0.00500

SAMPLE NO.

	AL Con				-		
ab Code: LA0	24 Case No.:		SAS No.:	-	SDG No.: 211011	405	
fatrix: (soil/water			•				
. `	5 (g/ml) mL		Lab Sample ID:	913048		•	
					3		
	LOW		Lab File ID: 2110116/a8963				
Moisture: not d	lec.		Date Collected:		Time:		
C Column: RT	X-VMS-30 ID: .25	(mm	Date Received:				
strument ID: N	NSV11				Time: _10	33	
		l					
oil Extract Volume:			Dilution Factor:		Analyst:		
oil Aliquot Volun	ne:	_ (µL	Prep Batch:		Analytical	Batch: 449012	
CONCENTRATION UNITS:			Analytical Metho	d: SW-846	8260		
CONCENTRAT	CONCENTRATION UNITS: mg/L			***************************************			
CAS NO.	COMPOUND		RESULT	Q	MDL	RL	
67-64-1	Acetone		0.025	U	0.00115	0.025	
107-02-8	Acrolein	<del></del>	0.025	U.	0.00169	0.025	
107-13-1	Acrylonitrile		0.025	U	0.00100	0.025	
75-27-4	Bromodichloromethane		0.00500	U	0.000053	0.00500	
75-25-2	Bromoform		0.00500	U	0.000104	0.00500	
74-83-9	Bromomethane		0.00500	U	0.000264	0.00500	
75-15-0	Carbon disulfide	<del></del>	0.00500	U:	0:000143	0.00500	
56-23-5	Carbon tetrachloride		0.00500	Uj	0.000148	0.00500	
75-00-3	Chloroethane	<del></del>	0.00500	U	0.000351	0.00500	
136777-61-	m,p-Xylene		0.010	U	0.000058	0.010	
67-66-3	Chloroform		0.00500	U	0.000056	0.00500	
74-87-3	Chloromethane		0.00500	U	0.000088	0.00500	
124-48-1	Dibromochloromethane		0.00500	U	0.000040	0.00500	
74-95-3	Dibromomethane		0.00500	U.	0.000184	0.00500	
75-71-8	Dichlorodifluoromethane		0.00500	U	0.000096	0.00500	
75-34-3	1,1-Dichloroethane		0.00500	U	0.000030	0.00500	
107-06-2	1,2-Dichloroethane		0.00500	U	0.000086	0.00500	
156-59-2	cis-1,2-Dichloroethene		0.00500	1 0	0.000061	0.00500	
156-60-5	trans-1,2-Dichloroethene	<del> </del>	0.00500	1. U	0.000107	. 0.00500	
75-09-2	Methylene chloride		0.010	T U	0.000327	0.010	
78-87-5	1,2-Dichloropropane		0.00500	T U	0.000064	0.00500	
10061-01-5	cis-1,3-Dichloropropene		0.00500	U	0.000031	0.00500	
10061-02-6	trans-1,3-Dichloropropene		0.00500	<del>י</del> י ד	0.000054	0.00500	
100-41-4	Ethylbenzene		0.00500	U	0.000062	0.00500	
591-78-6	2-Hexanone		0.00500	U	0.000503	0.00500	
98-82-8	Isopropylbenzene (Cumene)		0.00500	U	0.000034	0.00500	
78-93-3	2-Butanone		0.00500	T U	0.000093	0.00500	
74-88-4	Methyl iodide		0.00500	U	0.000243	0.00500	
108-10-1	4-Methyl-2-pentanone		0.00500	υ	0.000065	0.00500	
103-65-1	n-Propylbenzene		0.00500	<del>  U</del>	0.000054	0.00500	
100-42-5	Styrene		0.00500	U	0.000050	0.00500	

SAMPLE NO.

Lab Name: GCAL	Contra	act:				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Case No.:					405
Matrix: (soil/water)			4		,	
Sample wt/vol: 5	(g/ml) mL		Lab Sample ID:	913048		
	LOW			10116/a8963		
% Moisture: not dec				*****	Time:	
GC Column: RTX	-VMS-30 ID: <u>.25</u>	(mm	Date Received:			·
Instrument ID: MS	V11		Date Analyzed:	01/16/11	Time: _10	33
Soil Extract Volume	: /	(µL	Dilution Factor:	1	Analyst:	RJU
Soil Aliquot Volume	:	(µL	Prep Batch:		Analytical	Batch: _449012
CONCENTRATIO	N UNITS ma/l		Analytical Method	d: SW-846	B260	
			DECLUT	•	MDI	D.
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	,	0.00500	U	0.000121	0.00500
630-20-6	1,1,1,2-Tetrachloroethane		0.00500	U,	0.000113	0.00500
79-34-5	1,1,2,2-Tetrachloroethane		0.00500	U	0.000072	0.00500
120-82-1	1,2,4-Trichlorobenzene		0.00500	U	0.000119	0.00500
71-55-6	1,1,1-Trichloroethane		0.00500	U	0.000106	0.00500
79-00-5	1,1,2-Trichloroethane		0.00500	U	0.000095	0.00500
75-69-4	Trichlorofluoromethane		0.00500	U	0.000123	0.00500
96-18-4	1,2,3-Trichloropropane		0.00500	U	0.000100	0.00500
95-63-6	1,2,4-Trimethylbenzene		0.00500	U	0.000027	0.00500
108-67-8	1,3,5-Trimethylbenzene		0.00500	U	0.000021	0.00500
75-01-4	Vinyl chloride		0.00500	U.	0.000093	0.00500
95-47-6	o-Xylene		0.00500	U	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane		0.00500	<del>1 i</del>	0.000082	0.00500
106-93-4	1,2-Dibromoethane		0.00500	Ū	0.000046	0.00500
108-05-4	Vinyl acetate		0.00500	U	0.000202	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)		0.00500	U	0.000051	0.00500
99-87-6	4-Isopropyltoluene		0.00500	T U	0.000037	0.00500
1330-20-7	Xylene (total)		0.010	Ū	0.000058	0.010
108-87-2	Methylcyclohexane		0.00500	Ū	0.000072	0.00500
110-57-6	trans-1,4-Dichloro-2-butene		0.00500	U	0.000329	0.00500
110-82-7	Cyclohexane		0.00500	U	0.000064	0.00500
594-20-7	2,2-Dichloropropane		0.00500	· U	0.000117	0.00500
79-20-9	Methyl Acetate		0.00500	U	0.00142	0.00500
76-13-1	Trichlorotrifluoroethane		0.00500	U	0.000127	0.00500
563-58-6	1,1-Dichloropropene		0.00500	U	0.000067	0.00500
110-75-8	2-Chloroethylvinyl ether		0.00500	Ü	0.000515	0.00500
142-28-9	1,3-Dichloropropane		0.00500	Ū	0.000041	0.00500
108-86-1	Bromobenzene		0.00500	Ū	0.000084	0.00500
95-49-8	2-Chlorotoluene		0.00500	Ū	0.000044	0.00500
106-43-4	4-Chlorotoluene		0.00500	Ū	0.000052	0.00500
98-06-6	tert-Butylbenzene		0.00500	Ū	0.000077	0.00500
135-98-8	sec-Butylbenzene	<del></del>	0.00500	υ	0.000026	0.00500

SAMPLE NO.

Lab Name: GC	CAL	Contract:		-		
Lab Code: LAC	Case No.:		SAS No.:		SDG No.: 211011	405
Matrix: (soil/wate	r) Water					
Sample wt/vol:	5 (g/ml) mL		Lab Sample ID:	913048		
Level: (low/med)		,	Lab File ID: 21	10116/a8963		
% Moisture: not	dec.		Date Collected:		Time:	
•	TX-VMS-30 ID: .25		Date Received:			
Instrument ID:	MSV11			P ,I	Time: 10	)33
Soil Extract Volu	me:		Dilution Factor:	1	Analyst:	RJU
Soil Aliquot Volu	me:	(µL	Prep Batch:		Analytical	Batch: 449012
CONCENTRA	TION UNITS: mg/L	•	Analytical Metho	d: <u>SW-846</u>	8260	
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene		0.00500	U	0.000098	0.00500
106-46-7	1,4-Dichlorobenzene		0.00500	U	0.000118	0.00500
104-51-8	n-Butylbenzene		0.00500	υ	0.000036	0.00500
95-50-1	1,2-Dichlorobenzene		0.00500	U	0.000078	0.00500
87-68-3	Hexachlorobutadiene		0.00500	υ;	0.000690	0.00500 5
91-20-3	Naphthalene		0.00500	U	0.000081	0.00500
71-36-3	n-Butyl alcohol		0.025	U	0.000395	0.025
75-35-4	1,1-Dichloroethene		0.00500	U	0.000164	0.00500
71-43-2	Benzene		0.00500	U;	0.000054	0.00500
79-01-6	Trichloroethene		0.00500	UΉ	0.000061	0.00500
108-88-3	Toluene	· · · · · · · · · · · · · · · · · · ·	0.00500	U	0.000059	0.00500
108-90-7	Chlorobenzene		0.00500	U	0.000027	0.00500

SAMPLE NO.

	·				,	
Lab Name: GCAL						•
Lab Code: LA024	Case No.:		SAS No.:		SDG No.: 211011	405
Matrix: (soil/water)	Solid		•			
Sample wt/vol: 5	(g/ml) g		Lab Sample ID:	913051		
		<u></u>	Lab File ID: 21			
Level. (low/fried) LO	W	i				· · · · · · · · · · · · · · · · · · ·
6 Moisture: not dec.		<del></del>	Date Collected:	***************************************	Time:	
GC Column: RTX-VI	MS-30 ID: .25	(mm	Date Received:			
nstrument ID: MSV1	•				Time: 10	
			·			· · · · · · · · · · · · · · · · · · ·
Soil Extract Volume:		( µL	Dilution Factor:	50	Analyst:	RJU
Soil Aliquot Volume:	1	(µL	Prep Batch:		Analytical	Batch: 449013
			Analytical Metho	d: SW-846	8260	
CONCENTRATION	UNITS: mg/kg		-			
CAS NO. CO	OMPOUND		RESULT	Q	MDL	RL
67-64-1 A	cetone		1.25	TU	0.053	1.25
107-02-8 A	crolein		1.25	U	0.100	1.25
107-13-1 A	crylonitrile		1.25	U	0.054	1.25
75-27-4 B	romodichloromethane	7,017	0.250	υ	0.00750	0.250
75-25-2 B	romoform		0.250	U	0.012	0.250
74-83-9 B	romomethane		0.250	U	0.073	0.250
75-15-0 C	arbon disulfide		0.250	U	0.023	0.250
56-23-5 C	arbon tetrachloride		0.250	U	0.012	0.250
75-00-3 C	hloroethane		0.250	U	0.033	0.250
136777-61- m	n,p-Xylene		0.250	U	0.025	0.250
67-66-3 C	hloroform		0.250	U	0.012	0.250
74-87-3 C	hioromethane		0.250	U	0.038	0.250
124-48-1 D	ibromochloromethane		0.250	U	0.00700	0.250
74-95-3 D	ibromomethane		0.250	U	0.016	0.250
75-71-8 D	ichlorodifluoromethane		0.250	U	0.00555	0.250
75-34-3 1,	,1-Dichloroethane		0.250	U	0.017	0.250
107-06-2 1,	2-Dichloroethane		0.250	U	0.00655	0.250
156-59-2 ci	s-1,2-Dichloroethene		0.250	U	0.00860	0.250
156-60-5 tra	ans-1,2-Dichloroethene		0.250	υ	0.010	0.250
75-09-2 M	lethylene chloride		0.500	Ų	0.017	0.500
78-87-5 1,	2-Dichloropropane		0.250	U	0.00540	0.250
10061-01-5 ci	s-1,3-Dichloropropene		0.250	U	0.00725	0.250
10061-02-6 tra	ans-1,3-Dichloropropene		0.250	U	. 0.011	0.250
100-41-4 E	thylbenzene		0.250	U	0.010	0.250
591-78-6 2-	-Hexanone		0.250	U	0.017	0.250
98-82-8 Is	opropylbenzene (Cumene)		0.250	U	0.00975	0.250
78-93-3 2-	-Butanone		0.250	U	0.030	0.250
74-88-4 M	lethyl iodide		0.250	U	0.066	0.250
108-10-1 4-	-Methyl-2-pentanone		0.250	U	0.017	0.250
103-65-1 n-	-Propylbenzene		0.250	υ	0.014	0.250
100-42-5 Si	tyrene		0.250	U	0.013	0.250

SAMPLE NO.

Lab Name: GCA	AL Contract:				
Lab Code: LA02	24 Case No.:	SAS No.:		SDG No.: 211011	405
Matrix: (soil/water	Solid	_	•		
Sample wt/vol: _5	5 (g/ml) g	Lab Sample ID:	913051		
	LOW		10116/a8964	4 .	
	ес.	Date Collected:		Time:	
	X-VMS-30 ID: .25 (mm				
nstrument ID: M	ISV11			Time: 10	55
	ne: ( µL	Dilution Factor:		2	RJU
Soil Aliquot Volum				Analytical	
Jon Fingade Foldin	, m.,		h		
CONCENTRATI	ON UNITS: mg/kg	Analytical Metho	J. 377-040	8200	
CAS NO.	COMPOUND	RÉSULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.250	ן ט ן	0.010	0.250
630-20-6	1,1,1,2-Tetrachioroethane	0.250	U	0.00525	0.250
79-34-5	1,1,2,2-Tetrachloroethane	0.250	U	0.014	0.250
120-82-1	1,2,4-Trichlorobenzene	0.250	U.	0.015	0.250
71-55-6	1,1,1-Trichloroethane	0.250	U!	0.012	0.250
79-00-5	1,1,2-Trichloroethane	0.250	U:	0.012	0.250
75-69-4	Trichlorofluoromethane	0.250	U	0.00670	0.250
96-18-4	1,2,3-Trichloropropane	0.100	U;	0.017	0.100
95-63-6	1,2,4-Trimethylbenzene	0.250	Ui	0.015	0.250
108-67-8	1,3,5-Trimethylbenzene	0.250	Ų.	0.012	0.250
75-01-4	Vinyl chloride	0.250	Ü.	0.00675	0.250
95-47-6	o-Xylene	0.250	U	0.00945	0.250
96-12-8	1,2-Dibromo-3-chloropropane	0.250	U	0.040	0.250
106-93-4	1,2-Dibromoethane	0.250	U	0.012	0.250
108-05-4	Vinyl acetate	0.250	U	0.011	0.250
1634-04-4	tert-Butyl methyl ether (MTBE)	0.250	U	0.00835	0.250
99-87-6	4-Isopropyltoluene	0.250	U.	0.013	0.250
1330-20-7	Xylene (total)	0.500	U	0.034	0.500
108-87-2	Methylcyclohexane	0.250	U	0.00820	0.250
110-57-6	trans-1,4-Dichloro-2-butene	0.250	U	0.028	0.250
110-82-7	Cyclohexane	0.250	U	0.00880	0.250
594-20-7	2,2-Dichloropropane	0.250	U	0.058	0.250
79-20-9	Methyl Acetate	0.250	U	0.017	0.250
76-13-1	Trichlorotrifluoroethane	0.250	U	0.058	0.250
563-58-6	1,1-Dichloropropene	0.250	U	0.010	0.250
110-75-8	2-Chloroethylvinyl ether	0.250	U	0.012	0.250
142-28-9	1,3-Dichloropropane	0.250	U	0.00895	0.250
108-86-1	Bromobenzene	0.250	U	0.015	0.250
95-49-8	2-Chlorotoluene	0.250	U	0.013	0.250
106-43-4	4-Chlorotoluene	0.250	U	0.015	0.250
98-06-6	tert-Butylbenzene	0.250	U	0.012	0.250
135-98-8	sec-Butylbenzene	0.250	Ü	0.013	0.250

SAMPLE, NO.

Lab Name: GC	CAL. C	ontract:				
_ab Code: _LAC	Case No.:		SAS No.:	SDG	No.: 211011	405
Matrix: (soil/wate	er) Solid		•			
Sample wt/vol:	5 (g/ml) g		Lab Sample ID:	913051		
_evel: (low/med)		•	Lab File ID: 21	10116/a8964		
% Moisture: not	4		Date Collected:		Time:	
GC Column: R	TX-VMS-30 ID: .25	(mm	Date Received:			
nstrument ID:	MSV11	,	Date Analyzed:	01/16/11	Time: _10	55
	me:		Dilution Factor:	50	Analyst: _	RĴU
Soil Aliquot Volu	me:	( µL	Prep Batch:		Analytical	Batch: 449013
CONCENTRAT	TION UNITS: mg/kg		Analytical Metho	d: <u>SW-846 8260</u>		
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	•	0.250	U	0.016	0.250
106-46-7	1,4-Dichlorobenzene		0.250	U	0.021	0.250
104-51-8	n-Butylbenzene		0.250	Ü	0.017	0.250
95-50-1	1,2-Dichlorobenzene	١	0.250	U	0.016	0.250
87-68-3	Hexachlorobutadiene		0.250	U	0.012	0.250
91-20-3	Naphthalene		0.250	U	0.041	0.250
71-36-3	n-Butyl alcohol	·	1.25	U	0.915	1.25
75-35-4	1,1-Dichloroethene		0.250	Ü	0.033	0.250
71-43-2	Benzene		0.250	Ü	0.00685	0.250
79-01-6	Trichloroethene		0.250	U	0.012	0.250
108-88-3	Toluene		0.250	Ü	0.010	0.250
108-90-7	Chlorobenzene		0.250	u u	0.00940	0.250

SAMPLE NO.

Lab Name: GCAL	Contra	ict:	-			
ab Code: LA024	Case No.:		SAS No.:		SDG No.: 2110	11405
//atrix: (soil/water)					-	
` -			Lab Cassala ID:	042705		
sample wi/vol: 5	(g/ml) g	*************				
evel: (low/med) LO	W	· 	Lab File ID: 211	0118p/k99	09	
6 Moisture: not dec.			Date Collected:		Time:	
	MS-30 ID: .25					
		•	•			
nstrument ID: MSV5					Time:	
oil Extract Volume:	pi	(µL	Dilution Factor:	50	Analyst	CLH
Soil Aliquot Volume:		(µL	Prep Batch:	Į.	Analytic	al Batch: 449157
				į.		**************************************
CONCENTRATION	UNITS: mg/kg		Analytical Method	J. 04V-040		
CAS NO. CO	OMPOUND		RESULT	Q,	MDL	RL
	cetone		1.25	U	0.053	1.25
107-02-8 A	crolein		1.25	U:	0.100	1.25
107-13-1 A	crylonitrile		1.25	U	0.054	1.25
75-27-4 B	romodichloromethane		0.250	U	0.00750	0.250
75-25-2 B	romoform		0.250	U	0.012	0.250
74-83-9 B	romomethane		0.250	U	0.073	0.250
75-15-0 C	arbon disulfide		0.250	U	0.023	0.250
56-23-5 C	arbon tetrachloride		0.250	U	0.012	0.250
75-00-3 C	hloroethane		0.250	U	0.033	0.250
136777-61- m	n,p-Xylene		0.250	U	0.025	0.250
67-66-3 C	hloroform		0.250	U.	0.012	0.250
74-87-3 C	hloromethane		0.250	U	0.038	0.250
124-48-1 D	ibromochloromethane		0.250	U	0.00700	0.250
74-95-3 D	ibromomethane		0.250	Ų	0.016	0.250
75-71-8 D	ichlorodifluoromethane		0.250	U	0.00555	0.250
75-34-3 1,	,1-Dichloroethane		0.250	U.	0.017	0.250
<u> </u>	,2-Dichloroethane		0.250	U.	0.00655	0.250
	is-1,2-Dichloroethene		0.250	Ų	0.00860	0.250
	ans-1,2-Dichloroethene		0.250	U	0.010	0.250
	lethylene chloride		0.500	U	0.017	0.500
<u> </u>	,2-Dichloropropane		0.250	Ų	0.00540	0.250
	is-1,3-Dichloropropene		0.250	U	0.00725	0.250
	ans-1,3-Dichloropropene		0.250	U	0.011	0.250
	thylbenzene		0.250	U	0.010	0.250
	-Hexanone		0.250	U	0.017	0.250
	opropylbenzene (Cumene)		0.250	U	0.00975	0.250
	-Butanone		0.250	Ü	0.030	0.250
	lethyl iodide		0.250	Ü	0.066	0.250
	-Methyl-2-pentanone		0.250	U	0.017	0.250
L	-Propylbenzene		0.250	U	0.014	0.250
1100-42-5 is	tyrene		0.250	1 ()	0.013	0.250

SAMPLE NO.

MB913705	

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Lab Name: GC	AL Contr	act:		*************	Marian de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya	
Lab Code: LA0	24 Case No.:		SAS No.:		SDG No.: 211011	405
Matrix: (soil/wate						
Sample wt/vol:	5 (g/ml) g		Lab Sample ID:	913705		
Level: (low/med)	· · · · · · · · · · · · · · · · · · ·		Lab File ID: 21	10118p/k99	09	
% Moisture: not o	lec.		Date Collected:		Time:	
GC Column: RT	X-VMS-30 ID: .25		Date Received:			•
Instrument ID: N			Date Analyzed:		Time: 14	
 Soil Extract Volur	me:	( μL	Dilution Factor:			CLH
	me:	•	Prep Batch:			Batch: 449157
,		,	Analytical Metho			
CONCENTRAT	TION UNITS: mg/kg					
CAS NO.	COMPOUND		RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene		0.250	U	0.010	0.250
630-20-6	1,1,1,2-Tetrachloroethane		0.250	U	0.00525	0.250
79-34-5	1,1,2,2-Tetrachloroethane		0.250	U	0.014	0.250
120-82-1	1,2,4 Trichlorobenzene		0.250	U	0.015	0.250
71-55-6	1,1,1-Trichloroethane		0.250	U	0.012	0.250
79-00-5	1,1,2-Trichloroethane	·········	0.250	U	0.012	0.250
75-69-4	Trichlorofluoromethane		0.250	U	0.00670	0.250
96-18-4	1,2,3-Trichloropropane		0.100	U	0.017	0.100
95-63-6	1,2,4-Trimethylbenzene		0.250	U	0.015	0.250
108-67-8	1,3,5 Trimethylbenzene		0.250	U	0.012	0.250
75-01-4	Vinyl chloride		0.250	U	0.00675	0.250
95-47-6	o-Xylene		0.250	U	0.00945	0.250
96-12-8	1,2-Dibromo-3-chloropropane		0.250	U	0.040	0.250
106-93-4	1,2-Dibromoethane		0.250	U	0.012	0.250
108-05-4	Vinyl acetate		0.250	U	0.011	0.250
1634-04-4	tert-Butyl methyl ether (MTBE)		0.250	U	0.00835	0.250
99-87-6	4-Isopropyltoluene		0.250	U	0.013	0.250
1330-20-7	Xylene (total)		0.500	υ	0.034	0.500
108-87-2	Methylcyclohexane		0.250	U	0.00820	0.250
110-57-6	trans-1,4-Dichloro-2-butene		0.250	U	0.028	0.250
110-82-7	Cyclohexane		0.250	U	0.00880	0.250
594-20-7	2,2-Dichloropropane		0.250	U	0.058	0.250
79-20-9	Methyl Acetate		0.250	U	0.017	0.250
76-13-1	Trichlorotrifluoroethane		0.250	U	0.058	0.250
563-58-6	1,1-Dichloropropene		0.250	U	0.010	0.250
110-75-8	2-Chloroethylvinyl ether	. –	0.250	U	0.012	0.250
142-28-9	1,3-Dichloropropane		0.250	U	0.00895	0.250
108-86-1	Bromobenzene		0.250	U	0.015	0.250
95-49-8	2-Chlorotoluene		0.250	U	0.013	0.250
106-43-4	4-Chlorotoluene		0.250	U	0.015	0.250
98-06-6	tert-Butylbenzene	·	0.250	<del>                                     </del>	0.012	0.250
135 09 0	lead Butylbanzana		0.250	+ -	0.012	0.250

FORM I VOA

C A	MPl		NIA
34	IVIPL	_=	NU

MB9	13705	

Lab Name: GC	CAL	Contract:				
_ab Code: _LA	O24 Case No.:		SAS No.:		SDG No.: 21	1011405
Matrix: (soil/wate	er) Solid		_			
Sample wt/vol:	5 (g/ml) g		Lab Sample ID:	913705	•	* *
_evel: (low/med)			-			
% Moisture: not	dec.		the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
	TX-VMS-30 ID: .					
nstrument ID:	MSV5		Date Analyzed:			: 1455
 Soil Extract Volu	ıme:	( µL				/st: CLH
						•
Soil Aliquot Volu	ime:	( µL	Prep Batch:		Analy	/tical Batch: 4491
	TION UNITS: mg/kg	( µL	Prep Batch: Analytical Method			tical Batch: 4491
		(μL		d: SW-846		
CONCENTRA	TION UNITS: mg/kg	(μL	Analytical Method	d: SW-846	8260	RL
CAS NO.	TION UNITS: mg/kg	· (μL	Analytical Method	d: SW-846	8260 . <i>MDL</i>	RL
CAS NO.  541-73-1	TION UNITS: mg/kg  COMPOUND  1,3-Dichlorobenzene	· (μL	Analytical Method  RESULT  0.250	<b>Q</b> :	8260 MDL 0.016	<i>RL</i> 0.250
CAS NO.  541-73-1 106-46-7	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene	(μ	Analytical Method  **RESULT**  0.250  0.250	Q U	MDL 0.016 0.021	<i>RL</i> 0.250 0.250
CAS NO.  541-73-1 106-46-7 104-51-8	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene	(μ	Analytical Method  **RESULT**  0.250  0.250  0.250	Q	MDL 0.016 0.021 0.017	RL 0.250 0.250 0.250
CONCENTRA  CAS NO.  541-73-1 106-46-7 104-51-8 95-50-1	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene	(μ	Analytical Method  **RESULT**  0.250  0.250  0.250  0.250  0.250	Q U U U U U	MDL 0.016 0.021 0.017 0.016	RL 0.250 0.250 0.250 0.250 0.250
CONCENTRA  CAS NO.  541-73-1 106-46-7 104-51-8 95-50-1 87-68-3	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene Hexachlorobutadiene	(μ	Analytical Method  RESULT  0.250 0.250 0.250 0.250 0.250 0.250	Q : U U U U U U U U U U U U U U U U U U	MDL 0.016 0.021 0.017 0.016 0.012	RL 0.250 0.250 0.250 0.250 0.250 0.250
CONCENTRA  CAS NO.  541-73-1 106-46-7 104-51-8 95-50-1 87-68-3 91-20-3	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene Hexachlorobutadiene Naphthalene	(μ	Analytical Method  RESULT  0.250 0.250 0.250 0.250 0.250 0.250 0.250	Q : U U U U U	MDL  0.016 0.021 0.017 0.016 0.012 0.041	RL 0.250 0.250 0.250 0.250 0.250 0.250 0.250
CONCENTRA  CAS NO.  541-73-1 106-46-7 104-51-8 95-50-1 87-68-3 91-20-3 71-36-3	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene Hexachlorobutadiene Naphthalene n-Butyl alcohol	(μ	Analytical Method  RESULT  0.250 0.250 0.250 0.250 0.250 0.250 0.250 1.25	## SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-846  ## CAN SW-	MDL  0.016 0.021 0.017 0.016 0.012 0.041 0.915	RL  0.250 0.250 0.250 0.250 0.250 0.250 1.25 0.250
CONCENTRA  CAS NO.  541-73-1 106-46-7 104-51-8 95-50-1 87-68-3 91-20-3 71-36-3 75-35-4	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene Hexachlorobutadiene Naphthalene n-Butyl alcohol 1,1-Dichloroethene	(μ	Analytical Method  RESULT  0.250 0.250 0.250 0.250 0.250 0.250 0.250 1.25 0.250	### SW-846  ### Q    ### U	MDL  0.016 0.021 0.017 0.016 0.012 0.041 0.915 0.033	RL  0.250 0.250 0.250 0.250 0.250 0.250 1.25 0.250
CONCENTRA  CAS NO.  541-73-1 106-46-7 104-51-8 95-50-1 87-68-3 91-20-3 71-36-3 75-35-4 71-43-2	COMPOUND  1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene Hexachlorobutadiene Naphthalene n-Butyl alcohol 1,1-Dichloroethene Benzene	(μ	Analytical Method  RESULT  0.250 0.250 0.250 0.250 0.250 0.250 1.25 0.250 0.250 0.250	### SW-846  ### Q  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ### U  ###	MDL  0.016 0.021 0.017 0.016 0.012 0.041 0.915 0.033 0.00685	RL  0.250 0.250 0.250 0.250 0.250 0.250 1.25 0.250 0.250 0.250

### WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Contract:

	Lab Code: LA024 Case No.:			SAS	No				s	DG No.:	211011405
	Method: SW-846 8260										
										тот	.8
	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	OUT	
1.	EQUIPMENT BLANK	97	T	99	Т	102		96	П	0	
2 .	TRIP BLANK 1	96		99	T	100		94	П	0	
3.	TRIP BLANK 2	95	$\neg$	98	1	100		95	П	0	
4.	LCS913049	102	7	√100	Т	97		96	П	0	
5.	LCSD913050	102		100	I	97		97		0	

100

99

QC LIMITS

98

SMC 1	4-Bromofluorobenzene	78	- 130
SMC 2	Dibromofluoromethane	77	- 127
SMC 3	Toluene-d8	76	- 134
SMC 4	1,2-Dichloroethane-d4	71	- 127

[#] Column to be used to flag recovery values

Lab Name: GCAL

^{*} Values outside of contract required QC limits

### 2B SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name	: GCAL		Contract:	1			
Lab Code:	LA024	Case No.:	SAS No.:		SDG No.:	211011405	٠.
Method	SW-846 8260		. ;		*		

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	T-15-F	106	T	98		98	T	93	$\prod$	0
2.	T-15-F MS	· 103	1	100		96	Т	96	T	0
3.	T-15-F MSD	101		100		97	Т	99		0
4.	T-21-F	104		97		98	T	97	$\Box$	0
5.	NC-0-0.3	106		95	П	97		96		0
6.	T-2-WEST	99	П	102	П	99		102		0
7.	T-6-FLOOR	102	$\top$	97	П	99	1	97	П	0
8.	T-6-EAST	104	П	98	П	99	Т	98	П	0
9.	T-6-SOUTH	100	$\top$	98	П	99	П	96	$\Box$	0
10.	T-6-NORTH	105	П	97	$\sqcap$	96	Т	97	$\Box$	0
11.	BLIND DUP	, 103	П	98	П	99		97		0
12.	sc-w	106		96	П	96		95	$\sqcap$	0
13.	SC-E	106		97	П	97		96	П	0
14.	LCS913052	102	$\top$	100	П	97		96	П	0
15.	LCS913706	103	П	99	П	96		101	П	0
16.	LCSD913053	102	П	100	П	97		97	П	0
17.	LCSD913707	104	П	102	П	99		100		0
18.	MB913051	102	$\sqcap$	96	П	97		94	П	0
19.	MB913705	98		101	П	99	Т	102	П	. 0

SMC 1	4-Bromofluorobenzene	•	62	- 127
SMC 2	Dibromofluoromethane		65	- 130
SMC 3	Toluene-d8		71	- 132
SMC 4	1,2-Dichloroethane-d4		62	- 125

[#] Column to be used to flag recovery values

^{*} Values outside of contract required QC limits

# ЗА WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL	******************************		Co	ntract:		
Lab Code: LA024	Case No.:		SA	S No.:	SDG No	.: 211011405
	-					
Applytical Patch: 440012			•		•	
Analytical Batch: 449012	<del></del>	•	•			
SAMPLE NO. : 913049						
		PIKE	SAMPLE	LCS	LCS %	
COMPOUND	UNITS AL	DDED	CONCENTRATION	CONCENTRATION	REC	# QC. LIMITS
1,1,1,2-Tetrachloroethane	mg/L	.05	0	.049	98	75 - 124
1,1,1-Trichloroethane	mg/L	.05	0 .	.046	93	76 - 126
1,1,2,2-Tetrachloroethane	mg/L	.05	0	.058	116	70 - 122
1,1,2-Trichloroethane	mg/L	.05	0	.047	94	72 - 121
1,1-Dichloroethane	mg/L	.05	; O	.047	94	74 - 127
1,1-Dichloroethene	mg/L	.05	0	.046	93	69 - 129
1,1-Dichloropropene	mg/L	.05	0	.047	94	72 - 131
1,2,3-Trichloropropane	mg/L	.05	0	05	100	70 - 120
1,2,4-Trichlorobenzene	mg/L	.05	0	.05	100	61 - 135
1,2,4-Trimethylbenzene	mg/L	.05	0	.048	97	74 - 125
1,2-Dibromo-3-chloropropane	mg/L	.05	0	.056	112	57 - 121
1,2-Dibromoethane	mg/L	.05	0	.047	94	70 - 124
1,2-Dichlorobenzene	mg/L	.05	0	.05	100	71 - 126
1,2-Dichloroethane	mg/L	.05	. 0	.047	93	71 - 129
1,2-Dichloropropane	mg/L	.05	0	047	94	72 - 128
1,3,5-Trimethylbenzene	mg/L	.05	. 0	.049	97	71 - 132
1,3-Dichlorobenzene	mg/L	.05	0	.049	98	74 - 126
1,3-Dichloropropane	mg/L	.05	0	.047	94	74 - 122
1,4-Dichlorobenzene	mg/L	.05	. 0	.049	98	72 - 122
2,2-Dichloropropane	mg/L	.05	0 .	.047	95	77 - 124
2-Butanone	mg/L	.05	0	.056	112	58 - 137
2-Chloroethylvinyl ether	mg/L	.05	0	.042	84	56 - 124
2-Chlorotoluene	mg/L	.05	0	.049	99	72 - 127
2-Hexanone	mg/L	.05	0	.061	121	50 - 135
4-Chlorotoluene	mg/L	.05	0	.049	98	75 - 126
4-Isopropyltoluene	mg/L	.05	Ó	.048	96	71 - 129
4-Methyl-2-pentanone	mg/L	.05	. 0	.053	106	57 - 132
Acetone	mg/L	.05	0	.057	114	44 - 156
Acrolein	mg/L	.25	0	.311	124	30 - 160
Acrylonitrile	mg/L	.25	0	.258	103	64 - 137
Benzene	mg/L	.05	0	.047	93	70 - 129
Bromobenzene	mg/L	.05	0	.049	97	71 - 120
Bromodichloromethane	mg/L	.05	0	.047	95	74 - 125
Bromoform	mg/L	.05	0	.054	107	64 - 122
Bromomethane -	mg/L	.05	0	.045	91	47 - 138

# Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits

RPD: 0 out of 74 o	uts

side limits Spike Recovery: 0 out of 148 outside limits

# 3A WATER VOLATILE LCS/LCSD RECOVERY

Analytical Batch:	Lab Name: GCAL	•		***************************************	Contract:							
Carbon disulfide         mg/L         .05         0         .045         91         69         .136           Carbon tetrachloride         mg/L         .05         0         .047         94         76         - 128           Chlorobenzene         mg/L         .05         0         .049         98         74         123           Chlororeme         mg/L         .05         0         .047         94         62         141           Chlororeme         mg/L         .05         0         .047         95         75         - 122           Chloromethane         mg/L         .05         0         .048         97         69         132           Dibromochloromethane         mg/L         .05         0         .048         97         71         - 123           Dibromochloromethane         mg/L         .05         0         .049         97         71         - 123           Dibromochloromethane         mg/L         .05         0         .047         93         72         129           Dibromochloromethane         mg/L         .05         0         .047         93         72         129           Dibromochloromethane	Lab Code: LA024	Case No	).: 	-	SAS No.:		-	SDG	No.:	211011	405	
Carbon disulfide         mg/L         .05         0         .045         91         69         .136           Carbon tetrachloride         mg/L         .05         0         .047         94         76         - 128           Chlorobenzene         mg/L         .05         0         .049         98         74         123           Chlororeme         mg/L         .05         0         .047         94         62         141           Chlororeme         mg/L         .05         0         .047         95         75         - 122           Chloromethane         mg/L         .05         0         .048         97         69         132           Dibromochloromethane         mg/L         .05         0         .048         97         71         - 123           Dibromochloromethane         mg/L         .05         0         .049         97         71         - 123           Dibromochloromethane         mg/L         .05         0         .047         93         72         129           Dibromochloromethane         mg/L         .05         0         .047         93         72         129           Dibromochloromethane			, ,					,				
Carbon tetrachloride         mg/L         .05         0         .047         94         76         - 128           Chlorobenzene         mg/L         .05         0         .049         98         74         .123           Chlororform         mg/L         .05         0         .047         .94         .62         .141           Chlorormethane         mg/L         .05         0         .047         .95         .75         .122           Chloromethane         mg/L         .05         0         .048         .97         .69         .132           Olbromothane         mg/L         .05         0         .048         .97         .71         . 123           Dibromothane         mg/L         .05         0         .044         .88         .58         .140           Eithylbenzene         mg/L         .05         0         .044         .88         .58         .140           Elbezachlorobutadiene         mg/L         .05         0         .048         .96         .61         .144           Bospropyblenzene (Curene)         mg/L         .05         0         .048         .96         .71         .125           Methyl coldide	Analytical Batch: 449012											
Chlorobenzene         mg/L         .05         0         .049         98         74         -123           Chlorochane         mg/L         .05         0         .047         94         62         .141           Chloromethane         mg/L         .05         0         .047         94         62         .141           Chloromethane         mg/L         .05         0         .045         89         59         .132           Cyclohexane         mg/L         .05         0         .048         97         69         .132           Dibromomethane         mg/L         .05         0         .044         93         77         71         .123           Dibromomethane         mg/L         .05         0         .044         88         58         .140           Elbrybenzene         mg/L         .05         0         .044         88         58         .140           Elbrybenzene         mg/L         .05         0         .048         96         61         .144           Isopropylbenzene (Cumene)         mg/L         .05         0         .048         96         61         .144           Isopropylbenzene (Cumene)	Carbon disulfide	mg/L	.05	. 0		.045		91		69		136
Chlorothane mg/L .05 0 .047 94 62 141 Chloroform mg/L .05 0 .047 95 75 -122 Chloroform mg/L .05 0 .045 89 59 132 Cyclohexane mg/L .05 0 .048 97 69 -132 Cyclohexane mg/L .05 0 .048 97 69 -132 Dibromochloromethane mg/L .05 0 .049 97 71 -123 Dibromochloromethane mg/L .05 0 .049 97 71 -123 Dibromochloromethane mg/L .05 0 .049 97 71 -123 Dibromochloromethane mg/L .05 0 .044 88 59 74 -126 Ethylbenzene mg/L .05 0 .044 88 59 74 -126 Ethylbenzene mg/L .05 0 .048 95 74 -126 Hexachlorobutadiene mg/L .05 0 .048 96 71 -125 Methyl Acetate mg/L .05 0 .048 96 71 -125 Methyl Acetate mg/L .05 0 .048 96 71 -125 Methyl Acetate mg/L .05 0 .048 96 71 -125 Methyl Colohexane mg/L .05 0 .047 95 67 -138 Methylene chloride mg/L .05 0 .047 95 67 -138 Methylene chloride mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .044 88 68 132 Naphthalene mg/L .05 0 .052 103 57 -138 Tyrene mg/L .05 0 .044 89 7 72 -120 Trichlorothene mg/L .05 0 .046 91 76 129 Trichlorotifluorotethane mg/L .05 0 .046 91 76 129 Trichlorotifluorotethane mg/L .05 0 .046 91 76 129 136 Trichlorotifluorotethane mg/L .05 0 .046 91 76 129 136 Trichlorotifluorotethane mg/L .05 0 .046 92 68 132 Nylene mg/L .05 0 .046 92 68 132 Nylene mg/L .05 0 .046 99 77 72 136 Trichlorotifluorotethane mg/L .05 0 .046 99 77 75 129 0 .049 97 70 136 132 Tyrelpotorotethane mg/L .05 0 .046 99 77 70 136 132 Tyrelpotorotethane mg/L .05 0 .048 96 71 132 Tyrelpotorotethane mg/L .05 0 .048 96 71 132 Tyrelpotorotethane mg/L .05 0 .048 96 71 132 Tyrelpotorotethane mg/L .05 0 .048 96 77 1 132 Tyrelpotorotethane mg/L .05 0 .048 96 77 1 132 Tyr	Carbon tetrachloride	mg/L	.05	. 0		.047		94		76	-	128
Chloroform	Chlorobenzene	mg/L	.05	0		.049		98		74	-	123
Chloromethane         mg/L         .05         0         .045         89         59         .132           Cyclohexane         mg/L         .05         0         .048         97         69         .132           Dibromorhioromethane         mg/L         .05         0         .049         97         71         .123           Dibromorhiane         mg/L         .05         0         .047         93         72         .129           Dichloroddifluoromethane         mg/L         .05         0         .044         88         58         .140           Ethylbenzene         mg/L         .05         0         .048         .96         .61         .144           Isopropylbenzene (Cumene)         mg/L         .05         0         .048         .96         .71         .125           Methyl Acetate         mg/L         .05         0         .048         .96         .71         .125           Methyl Acetate         mg/L         .05         0         .047         .94         .57         .131           Methyl Acetate         mg/L         .05         0         .047         .94         .57         .141           Methyl Acetate	Chloroethane	mg/L	.05	0.		.047		94		62	-	141
Cyclohexane         mg/L         .05         0         .048         97         69         . 132           Dibromoethane         mg/L         .05         0         .049         .97         .71         . 123           Dibromoethane         mg/L         .05         0         .047         .93         .72         . 129           Dichlorodiffuoromethane         mg/L         .05         0         .044         .88         .58         . 140           Ethylbenzene         mg/L         .05         0         .048         .95         . 74         . 126           Ethylbenzene         mg/L         .05         0         .048         .96         . 61         . 144           Isopropylbenzene (Cumene)         mg/L         .05         0         .048         .96         . 71         . 125           Methyl Codide         mg/L         .05         0         .052         . 103         . 57         . 139           Methyl Golde         mg/L         .05         0         .047         . 94         . 57         . 141           Methyl Golde         mg/L         .05         0         .047         . 94         . 57         . 141           Methyl Go	Chloroform	mg/L	.05	0		.047		95		75	-	122
Dibromochloromethane         mg/L         .05         0         .049         97         71         - 123           Dibromomethane         mg/L         .05         0         .047         93         72         - 129           Dichlorodifluoromethane         mg/L         .05         0         .044         7         88         58         - 140           Ethylbenzene         mg/L         .05         0         .048         95         74         - 126           Hexachlorobutadiene         mg/L         .05         0         .048         96         61         - 144           Isopropylearzene (Cumene)         mg/L         .05         0         .048         96         71         - 125           Methyl Acetate         mg/L         .05         0         .048         96         71         - 125           Methyl Goldie         mg/L         .05         0         .047         94         57         - 141           Methyleo-chloride         mg/L         .05         0         .047         95         67         - 138           Methylene chloride         mg/L         .05         0         .044         88         68         - 132	Chloromethane	mg/L	.05	0		.045		89		59	-	132
Dibromomethane         mg/L         .05         0         .047         93         72         - 129           Dichlorodifluoromethane         mg/L         .05         0         .044         88         58         - 140           Ethylbenzene         mg/L         .05         0         .048         95         74         - 126           Hexachlorobutadiene         mg/L         .05         0         .048         96         61         - 144           Isopropylbenzene (Cumene)         mg/L         .05         0         .048         96         71         - 125           Methyl Acetate         mg/L         .05         0         .052         103         57         - 139           Methyl Acetate         mg/L         .05         0         .047         .94         .57         - 141           Methyl Acetate         mg/L         .05         0         .047         .94         .57         - 143           Methyl Acetate         mg/L         .05         0         .047         .94         .57         - 141           Methyl Acetate         mg/L         .05         0         .047         .94         .68         .132           Methyl Aceta	Cyclohexane	mg/L	.05	0		.048	$\neg$	. 97		69	-	132
Dichlorodiffluoromethane	Dibromochloromethane	mg/L	.05	.0		.049		97		71	-	123
Ethylbenzene         mg/L         .05         0         .048         95         74         - 126           Hexachlorobutadiene         mg/L         .05         0         .048         96         61         - 144           Isopropylbenzene (Cumene)         mg/L         .05         0         .048         96         71         - 125           Methyl Acetate         mg/L         .05         0         .052         103         57         - 139           Methyl Iodide         mg/L         .05         0         .047         94         57         - 141           Methylene chloride         mg/L         .05         0         .047         95         67         - 138           Methylene chloride         mg/L         .05         0         .044         88         68         - 132           Naphthalene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .047         94         68         - 128           Tetrachloroethene         m	Dibromomethane	mg/L	.05	. 0		.047		93		72	_	129
Hexachlorobutadiene   mg/L   .05   0   .048   96   61   -144     Isopropylbenzene (Cumene)   mg/L   .05   0   .048   96   .71   -125     Methyl Acetate   mg/L   .05   0   .052   103   57   -139     Methyl Iodide   mg/L   .05   0   .047   94   .57   -141     Methylocylchexane   mg/L   .05   0   .047   94   .57   -141     Methylocylchexane   mg/L   .05   0   .047   95   .67   -138     Methylene chloride   mg/L   .05   0   .044   .88   .68   -132     Naphthalene   mg/L   .05   0   .052   .103   .57   -138     Styrene   mg/L   .05   0   .055   .101   .71   -127     Tetrachloroethene   mg/L   .05   0   .047   .94   .68   .128     Trichloroethene   mg/L   .05   0   .047   .94   .68   .128     Trichloroethene   mg/L   .05   0   .046   .91   .76   .129     Trichloroffluoromethane   mg/L   .05   0   .046   .93   .72   .136     Trichloroffluoroethane   mg/L   .05   0   .046   .93   .72   .136     Trichloroffluoroethane   mg/L   .05   0   .047   .95   .72   .136     Vinyl acetate   mg/L   .05   0   .047   .95   .72   .136     Vinyl choride   mg/L   .05   0   .046   .92   .68   .132     Xylene (total)   mg/L   .15   0   .143   .95   .74   .127     cis-1,2-Dichloroethene   mg/L   .05   0   .048   .96   .71   .132     m,p-Xylene   mg/L   .05   0   .048   .96   .71   .132     m,p-Xylene   mg/L   .05   0   .048   .96   .71   .130     o-Xylene   mg/L   .05   0   .048   .95   .73   .130     o-Xylene   mg/L   .05   0   .048   .96   .71   .131     o-Xylene   mg/L   .05   0   .048	Dichlorodifluoromethane	mg/L	.05	0		.044	7	88		58		140
Isopropylbenzene (Curmene)   mg/L   .0.5   .0   .0.48   .96   .71  125	Ethylbenzene	mg/L	.05	0		.048		95		74	-	126
Methyl Acetate         mg/L         .05         0         .052         .103         57         . 139           Methyl iodide         mg/L         .05         0         .047         94         .57         . 141           Methyl iodide         mg/L         .05         0         .047         .95         .67         . 138           Methylene chloride         mg/L         .05         0         .044         .88         .68         . 132           Methylene chloride         mg/L         .05         0         .044         .88         .68         . 132           Methylene chloride         mg/L         .05         0         .052         .103         .57         . 138           Methylene chloride         mg/L         .05         0         .052         .103         .57         . 138           Methylene chloride         mg/L         .05         0         .052         .103         .57         . 138           Styrene         mg/L         .05         0         .047         .94         .68         . 122           Tetrachloroethene         mg/L         .05         0         .046         .91         .76         . 129           Trichlo	Hexachlorobutadiene	mg/L	.05	0		.048	P	96		61	-	144
Methyl iodide         mg/L         .05         0         .047         94         57         .141           Methylcyclohexane         mg/L         .05         0         .047         95         67         - 138           Methylene chloride         mg/L         .05         0         .044         88         68         132           Naphthalene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .055         101         77         - 127           Tetrachloroethene         mg/L         .05         0         .047         94         68         128           Toluene         mg/L         .05         0         .047         94         68         128           Toluene         mg/L         .05         0         .048         97         .72         .120           Trichloroethene         mg/L         .05         0         .046         91         .76         .129           Trichlorofulurorethane         mg/L         .05         0         .046         93         .72         .136           Vinyl acetate         mg/L         .	Isopropylbenzene (Cumene)	mg/L	.05	0		.048		96		71		125
Methylcyclohexane         mg/L         .05         0         .047         95         67         - 138           Methylene chloride         mg/L         .05         0         .044         88         68         - 132           Naphthalene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .055         101         71         - 127           Tetrachloroethene         mg/L         .05         0         .047         .94         68         - 128           Toluene         mg/L         .05         0         .048         .97         .72         - 120           Trichloroethene         mg/L         .05         0         .046         .91         .76         . 129           Trichloroffluoromethane         mg/L         .05         0         .046         .93         .72         . 136           Trichloroffluoromethane         mg/L         .05         0         .046         .93         .72         . 136           Trichloroffluoromethane         mg/L         .05         0         .047         .95         .72         . 136           Vinyl ace	Methyl Acetate	mg/L	.05	0		.052	,	103		57	· -	139
Methylene chloride         mg/L         .05         0         .044         88         68         - 132           Naphthalene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .05         101         71         - 127           Tetrachloroethene         mg/L         .05         0         .047         94         68         - 128           Toluene         mg/L         .05         0         .048         97         72         - 120           Trichloroethene         mg/L         .05         0         .048         97         72         - 129           Trichlorofluoromethane         mg/L         .05         0         .046         91         76         - 129           Trichlorofluoromethane         mg/L         .05         0         .046         93         72         - 136           Trichlorofluoroethane         mg/L         .05         0         .047         .95         .72         - 136           Vinyl calcate         mg/L         .05         0         .047         .95         .72         - 136           Vinyl calcate	Methyl iodide	mg/L	.05	0		.047	T	94		57	-	141
Naphthalene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .05         101         71         - 127           Tetrachloroethene         mg/L         .05         0         .047         94         68         - 128           Toluene         mg/L         .05         0         .048         97         72         - 120           Trichloroethene         mg/L         .05         0         .046         91         76         - 129           Trichlorofluoromethane         mg/L         .05         0         .046         91         76         - 129           Trichlorofluoroethane         mg/L         .05         0         .046         93         72         - 136           Trichlorotifluoroethane         mg/L         .05         0         .047         95         72         - 136           Vinyl calcate         mg/L         .05         0         .054         108         54         - 147           Vinyl calcate         mg/L         .05         0         .046         92         68         - 132           Xylene (total)	Methylcyclohexane	mg/L	.05	0		.047	1:	95		67	-	138
Naphthalene         mg/L         .05         0         .052         103         57         - 138           Styrene         mg/L         .05         0         .05         101         71         - 127           Tetrachloroethene         mg/L         .05         0         .047         94         68         - 128           Toluene         mg/L         .05         0         .048         97         72         - 120           Trichloroethene         mg/L         .05         0         .046         91         76         - 129           Trichlorofluoromethane         mg/L         .05         0         .046         91         76         - 129           Trichlorofluoroethane         mg/L         .05         0         .046         93         72         - 136           Trichlorotifluoroethane         mg/L         .05         0         .047         95         72         - 136           Vinyl calcate         mg/L         .05         0         .054         108         54         - 147           Vinyl calcate         mg/L         .05         0         .046         92         68         - 132           Xylene (total)	Methylene chloride	mg/L	.05	0		.044	ľ	88		68		132
Styrene         mg/L         .05         0         .05         101         71         - 127           Tetrachloroethene         mg/L         .05         0         .047         94         68         - 128           Toluene         mg/L         .05         0         .048         97         72         - 120           Trichloroethene         mg/L         .05         0         .046         91         76         - 129           Trichlorotifluoromethane         mg/L         .05         0         .046         93         72         - 136           Trichlorotifluoromethane         mg/L         .05         0         .046         93         72         - 136           Trichlorotifluoromethane         mg/L         .05         0         .047         95         72         - 136           Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl acetate         mg/L         .05         0         .046         92         68         - 132           Xylene (total)	Naphthalene	mg/L	.05	0		.052	Ţ	103		57	-	138
Toluene         mg/L         .05         0         .048         97         72         - 120           Trichloroethene         mg/L         .05         0         .046         91         76         - 129           Trichlorofiluoromethane         mg/L         .05         0         .046         93         72         - 136           Trichlorotrifluoroethane         mg/L         .05         0         .047         95         72         - 136           Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl acetate         mg/L         .05         0         .046         92         68         - 132           Vinyl acetate         mg/L         .05         0         .046         92         68         - 147           Vinyl chloride         mg/L         .05         0         .046         92         68         - 132           Xylene (total)         mg/L         .05         0         .047         93         .73         - 130           cis-1,3-Dichloropropene	Styrene	mg/L	.05	. 0		.05	-	101		71	-	127
Trichloroethene         mg/L         .05         0         .046         91         76         - 129           Trichlorofluoromethane         mg/L         .05         0         .046         93         72         - 136           Trichlorotrifluoroethane         mg/L         .05         0         .047         95         72         - 136           Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl chloride         mg/L         .05         0         .046         92         68         - 132           Xylene (total)         mg/L         .15         0         .043         95         74         - 127           cis-1,2-Dichloroethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .05         0         .048         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylben	Tetrachloroethene	mg/L	.05	0		.047		94		68	-	128
Trichlorofluoromethane         mg/L         .05         0         .046         93         72         .136           Trichlorotrifluoroethane         mg/L         .05         0         .047         95         72         .136           Vinyl acetate         mg/L         .05         0         .054         108         54         .147           Vinyl chloride         mg/L         .05         0         .046         92         68         - 132           Xylene (total)         mg/L         .15         0         .046         92         68         - 132           Xylene (total)         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloroptoethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloroptoethene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .048         96         69         - 132           o-Xylene<	Toluene	mg/L	.05	0		.048	1	97		72	-	120
Trichlorotrifluoroethane         mg/L         .05         0         .047         95         72         - 136           Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl chloride         mg/L         .05         0         .046         92         68         - 132           Xylene (total)         mg/L         .15         0         .143         95         74         - 127           cis-1,2-Dichloroethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .048         95         73         - 130           sec-Butylbe	Trichloroethene	mg/L	.05	0		.046	,	91 .		76	-	129
Vinyl acetate         mg/L         .05         0         .054         108         54         - 147           Vinyl chloride         mg/L         .05         0         .046         92         68         - 132           Xylene (total)         mg/L         .15         0         .143         95         74         - 127           cis-1,2-Dichloroethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .049         97         .75         - 129           o-Xylene         mg/L         .05         0         .048         .95         .73         - 130           sec-Butylbenzene <t< td=""><td>Trichlorofluoromethane</td><td>mg/L</td><td>.05</td><td>0</td><td></td><td>.046</td><td>,</td><td>93</td><td></td><td>72</td><td>-</td><td>136</td></t<>	Trichlorofluoromethane	mg/L	.05	0		.046	,	93		72	-	136
Vinyl chloride         mg/L         .05         0         .046         92         68         - 132           Xylene (total)         mg/L         .15         0         .143         95         74         - 127           cis-1,2-Dichloroethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .049         97         .75         - 129           o-Xylene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .048         95         .71         - 125           tert-Butyl methyl ether (MTBE)	Trichlorotrifluoroethane	mg/L	.05	0.		.047	$\Box$	95		72	-	136
Xylene (total)         mg/L         .15         0         .143         95         74         - 127           cis-1,2-Dichloroethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .049         97         .75         - 129           o-Xylene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .048         95         .73         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         .95         .71         - 125           tert-Butylbe	Vinyl acetate	mg/L	.05	0		.054		108		54	-	147
cis-1,2-Dichloroethene         mg/L         .05         0         .047         93         73         - 130           cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .049         97         .75         - 129           o-Xylene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .049         .97         .70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         .95         .71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         .96         .72         - 126           tran	Vinyl chloride	mg/L	.05	0		.046		92		68		132
cis-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 132           m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .049         97         .75         - 129           o-Xylene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .049         .97         .70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         .95         .71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         .96         .72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         .92         .69         - 132	Xylene (total)	mg/L	.15	0		.143		95		74	-	127
m,p-Xylene         mg/L         .1         0         .096         96         74         - 126           n-Butylbenzene         mg/L         .05         0         .048         96         69         - 134           n-Propylbenzene         mg/L         .05         0         .049         97         .75         - 129           o-Xylene         mg/L         .05         0         .048         95         .73         - 130           sec-Butylbenzene         mg/L         .05         0         .049         97         .70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         95         .71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         96         .72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         .71         - 131	cis-1,2-Dichloroethene	mg/L	.05	0		.047		93		73		130
n-Butylbenzene mg/L .05 0 .048 96 69 - 134 n-Propylbenzene mg/L .05 0 .049 97 75 - 129 o-Xylene mg/L .05 0 .048 95 73 - 130 sec-Butylbenzene mg/L .05 0 .049 97 70 - 136 tert-Butyl methyl ether (MTBE) mg/L .05 0 .047 95 71 - 125 tert-Butylbenzene mg/L .05 0 .048 96 72 - 126 trans-1,2-Dichloroethene mg/L .05 0 .048 96 71 - 131 trans-1,3-Dichloropropene mg/L .05 0 .048 96 71 - 131	cis-1,3-Dichloropropene	mg/L	.05	['] 0		.048		96		71	-	132
n-Propylbenzene         mg/L         .05         0         .049         97         75         - 129           o-Xylene         mg/L         .05         0         .048         95         73         - 130           sec-Butylbenzene         mg/L         .05         0         .049         97         70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         95         71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         96         72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 131	m,p-Xylene	mg/L	.1 .	0		.096		96		74	-	126
n-Propylbenzene         mg/L         .05         0         .049         97         75         - 129           o-Xylene         mg/L         .05         0         .048         95         73         - 130           sec-Butylbenzene         mg/L         .05         0         .049         97         70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         95         71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         96         72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 131	n-Butylbenzene	mg/L	.05	· 0		.048		96		69	-	134
sec-Butylbenzene         mg/L         .05         0         .049         97         70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         95         71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         96         72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 131	n-Propylbenzene	mg/L	.05	0		.049	_ [	97		75	-	129
sec-Butylbenzene         mg/L         .05         0         .049         97         70         - 136           tert-Butyl methyl ether (MTBE)         mg/L         .05         0         .047         95         71         - 125           tert-Butylbenzene         mg/L         .05         0         .048         96         72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 131	o-Xylene	mg/L	.05	0		.048		95 -		73	-	130
tert-Butylbenzene         mg/L         .05         0         .048         96         72         - 126           trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 131	sec-Butylbenzene	mg/L	.05	0		.049		97		70	-	136
trans-1,2-Dichloroethene         mg/L         .05         0         .046         92         69         - 132           trans-1,3-Dichloropropene         mg/L         .05         0         .048         96         71         - 131	tert-Butyl methyl ether (MTBE)	mg/L	.05	. 0		.047		95		71		125
trans-1,3-Dichloropropene mg/L .05 0 .048 96 71 - 131	tert-Butylbenzene	mg/L	.05	0		.048	1	96		72	_	126
	trans-1,2-Dichloroethene	mg/L	.05	0		.046		92		69	_	132
trans-1,4-Dichloro-2-butene mg/L .05 0 .055 110 56 - 132	trans-1,3-Dichloropropene	mg/L	.05	0		.048		96		71		
	trans-1,4-Dichloro-2-butene	mg/L	.05	. 0		.055	1	110		56		132

RPD:_	0	_ out of	74	<u> </u>	tside limit	s
Spike R	ecove	ery:	0	out of	148	outside limits

[#] Column to be used to flag recovery and RPD values with an asterisk

^{*} Values outside of QC limits

# WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL	-	Contract:							
Lab Code: LA024	Case No	o.:		SAS No.:	1		SE	OG No.: 2110	)11405
Analytical Batch: 449012	-				entional about the contractions				,te
SAMPLE NO. : 913050					-				
COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	#	% RPD	# .	QC. I	LIMITS RPD
1,1,1,2-Tetrachloroethane	mg/L	.05	.046	92	1	6		75 - 124	0 - 30
1,1,1-Trichloroethane	mg/L	.05	.045	89		2		76 - 126	0 - 30
1,1,2,2-Tetrachloroethane	mg/L	.05	.049	98	1	17		70 - 122	0 - 30
1,1,2-Trichloroethane	mg/L	.05	.043	86		9		72 - 121	0 - 30
1,1-Dichloroethane	mg/L	.05	.044	88	1	7		74 - 127	0 - 30
1,1-Dichloroethene	mg/L	.05	.045	90	1	2		69 - 129	0 - 20
1,1-Dichloropropene	mg/L	.05	.045	90	П	4		72 - 131	0 - 30
1,2,3-Trichloropropane	mg/L	.05	.044	88	1	13		70 - 120	0 - 30
1,2,4-Trichlorobenzene	mg/L	.05	.045	90	1	11		61 - 135	0 - 30
1,2,4-Trimethylbenzene	mg/L	.05	.046	92	1	4		74 - 125	0 - 30
1,2-Dibromo-3-chloropropane	mg/L	.05	.046	92	1	20		57 - 121	0 - 30
1,2-Dibromoethane	mg/L	.05	.043	86		9		70 - 124	0 - 30
1,2-Dichlorobenzene	mg/L	.05	.047	93	1	6		71 - 126	0 - 30
1,2-Dichloroethane	mg/L	.05	043	86	T	9		71 - 129	0 - 30
1,2-Dichloropropane	mg/L	.05	.045	90		4		72 - 128	0 - 30
1,3,5-Trimethylbenzene	mg/L	.05	.046	93	1	6		7.1 - 132	0 - 30
1,3-Dichlorobenzene	mg/L	.05	.046	93	1	6		74 - 126	0 - 30
1,3-Dichloropropane	mg/L	.05	.043	. 87	1	9		74 - 122	.0 - 30
1,4-Dichlorobenzene	mg/L	.05	.047	94	П	4		72 - 122	0 - 30
2,2-Dichloropropane	mg/L	.05	.045	90	1	4		77 - 124	0 - 30
2-Butanone	mg/L	.05	.047	94	П	17		58 - 137	0 - 30
2-Chloroethylvinyl ether	mg/L:	.05	.032	64	1	27		56 - 124	0 - 30
2-Chlorotoluene	mg/L	.05	.047	93	1	4		72 - 127	0 - 30
2-Hexanone	mg/L	.05	.049	98	Ī	22	1-7	50 - 135	0 - 30
4-Chlorotoluene	mg/L	.05	.046	93	1	- 6		75 - 126	0 - 30
4-Isopropyltoluene	mg/L	.05	.046	92		4		71 - 129	0 - 30
4-Methyl-2-pentanone	mg/L	.05	.044	89	1	19		57 - 132	0 - 30
Acetone	mg/L	.05	.05	99	T	13		44 - 156	0 - 30
Acrolein	mg/L	.25	.287	115		8		30 - 160	0 - 30
Acrylonitrile	mg/L	.25	.235	94	1	9		64 - 137	0 - 30
Benzene	mg/L	.05	.044	89	Ì	7		.70 - 129	0 - 20
Bromobenzene	mg/L	.05	.046	93	1	6		71 - 120	0 - 30
Bromodichloromethane	mg/L	.05	.045	. 89		4		74 - 125	0 - 30
Bromoform	mg/L	.05	.047	93		. 14		64 - 122	0 - 30
Bromomethane	mg/L	.05	.043	87		5		47 - 138	0 - 30
					7				

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: __0 out of __74 outside limits

Spike Recovery: __0 out of __148 outside limits

# 3A WATER VOLATILE LCS/LCSD RECOVERY

<u> </u>	Lab Name: GCAL			Contract:				
Carbon disulfide         mg/L         .05         .044         88         2         69         .136         0           Carbon tetrachloride         mg/L         .05         .045         90         4         76         .128         0           Chlorobenzene         mg/L         .05         .046         92         6         .74         .123         0           Chloroform         mg/L         .05         .044         88         7         62         .141         0           Chloromethane         mg/L         .05         .045         89         4         75         .122         0           Chloromethane         mg/L         .05         .046         92         4         69         .132         0           Dibromochloromethane         mg/L         .05         .043         86         9         72         .129         0           Dibrhorodifluoromethane         mg/L         .05         .043         86         9         72         .129         0           Dibrhorodifluoromethane         mg/L         .05         .043         .85         2         58         .140         0           Ethylbenzene         mg/L	Lab Code: LA024	Case No.:		·	SAS No.:		SDG No.: 21101	1405
Carbon disulfide         mg/L         0.5         0.44         88         2         69 - 136         0 - 128           Carbon tetrachloride         mg/L         .05         .045         90         4         76 - 128         0 - 128           Chlorobenzene         mg/L         .05         .046         92         6         74 - 123         0 - 141           Chloroform         mg/L         .05         .044         88         7         62         141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141	• •	,	-					
Carbon disulfide         mg/L         0.5         0.44         88         2         69 - 136         0 - 128           Carbon tetrachloride         mg/L         .05         .045         90         4         76 - 128         0 - 128           Chlorobenzene         mg/L         .05         .046         92         6         74 - 123         0 - 141           Chloroform         mg/L         .05         .044         88         7         62         141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141         0 - 141	Applytical Ratch: 440012			•		•		•
Carbon tetrachloride         mg/L         .05         .045         90         4         76         -128         0           Chlorobenzene         mg/L         .05         .046         .92         6         .74         -123         0           Chlorofethane         mg/L         .05         .044         .88         .7         .62         .141         0           Chlorofform         mg/L         .05         .043         .86         .5         .59         .132         0           Chloromethane         mg/L         .05         .046         .92         .4         .69         .132         0           Dibromomethane         mg/L         .05         .045         .89         .9         .71         .123         0           Dibromomethane         mg/L         .05         .043         .86         .9         .72         .129         0           Dibromomethane         mg/L         .05         .043         .85         .2         .58         .140         0         -           Ethylbenzene         mg/L         .05         .043         .85         .2         .58         .140         0         -           Ethylbenzene					<u> </u>			
Chlorobenzene		<del></del>				<del>}</del>	<del> </del>	
Chloroethane	<u> </u>	<del></del> _					<del></del>	
Chloroform         mg/L         .05         .045         89         4         75         -122         0           Chloromethane         mg/L         .05         .043         86         5         59         -132         0           Cyclohexane         mg/L         .05         .046         92         4         69         -132         0           Dibromochloromethane         mg/L         .05         .043         86         9         72         -129         0           Dibromomethane         mg/L         .05         .043         86         9         72         -129         0           Dichlorodifluoromethane         mg/L         .05         .043         85         2         58         -140         0         -Ethylbenzene         mg/L         .05         .043         85         2         58         -140         0         -Ethylbenzene         mg/L         .05         .043         85         2         58         -140         0         -Ethylbenzene         mg/L         .05         .043         85         91         6         71         -125         0         -Hexachlorobutadiene         mg/L         .05         .043         85         19		<del> </del>		<b>1</b>				
Chloromethane		mg/L		.044				
Cyclohexane         mg/L         .05         .046         92         4         69         -132         0           Dibromochloromethane         mg/L         .05         .045         89         9         71         -123         0           Dibromochloromethane         mg/L         .05         .043         86         9         72         -129         0           Dichlorodifluoromethane         mg/L         .05         .043         85         2         58         -140         0           Ethylbenzene         mg/L         .05         .045         91         6         74         -126         0           Hexachlorobutadiene         mg/L         .05         .047         93         2         61         -144         0           Isopropylbenzene (Cumene)         mg/L         .05         .045         90         6         71         -125         0           Methyl Acetate         mg/L         .05         .043         85         19         57         -139         0           Methyl Acetate         mg/L         .05         .043         85         19         57         -139         0           Methyl Acetate         mg/L	Chloroform	mg/L	.05	.045	. 89		75 - 122	0 - 30
Dibromochloromethane	Chloromethane	mg/L	.05	.043	86	5	59 - 132	0 - 30
Dibromomethane	Cyclohexane	mg/L	.05	.046	92	4	69 - 132	0 - 30
Dichlorodifluoromethane	Dibromochloromethane	mg/L	.05	.045	89	9	71 - 123	0 - 30
Ethylbenzene         mg/L         .05         .045         91         6         .74         .126         0           Hexachlorobutadiene         mg/L         .05         .047         93         2         61         .144         0           Isopropylbenzene (Cumene)         mg/L         .05         .045         90         6         .71         .125         0           Methyl Acetate         mg/L         .05         .043         85         19         57         .139         0           Methyl iodide         mg/L         .05         .046         92         2         57         .141         0           Methylcylchexane         mg/L         .05         .045         91         4         67         .138         0           Methylcylchexane         mg/L         .05         .042         84         5         68         .132         0           Methylcylchexane         mg/L         .05         .045         91         4         67         .138         0           Methylcylchexane         mg/L         .05         .042         84         5         68         .132         0           Methylcylchexane         mg/L <td< td=""><td>Dibromomethane</td><td>mg/L</td><td>.05</td><td>.043</td><td>86 .</td><td>9</td><td>72 - 129</td><td>0 - 30</td></td<>	Dibromomethane	mg/L	.05	.043	86 .	9	72 - 129	0 - 30
Hexachlorobutadiene   mg/L   .05   .047   93   2   61   .144   0   .	Dichlorodifluoromethane	mg/L	.05	.043	. 85	2	58 - 140	0 - 30
Isopropylbenzene (Cumene)   mg/L   .05   .045   90   6   71   -125   0   - Methyl Acetate   mg/L   .05   .043   .85   .19   .57  139   0   - Methyl iodide   mg/L   .05   .046   .92   .2   .57   .141   0   - Methylcyclohexane   mg/L   .05   .045   .91   .4   .67   .138   0   . Methylene chloride   mg/L   .05   .042   .84   .5   .68   .132   0   . Methylene chloride   mg/L   .05   .042   .84   .5   .68   .132   0   . Methylene chloride   mg/L   .05   .043   .85   .19   .57   .138   0   . Methylene chloride   mg/L   .05   .043   .85   .19   .57   .138   0   . Methylene chloride   mg/L   .05   .043   .85   .19   .57   .138   0   . Methylene chloride   mg/L   .05   .043   .85   .19   .57   .138   0   . Methylene chloride   mg/L   .05   .047   .94   .6   .71   .127   0   . Methylene chloride   mg/L   .05   .045   .90   .4   .68   .128   0   . Methylene chloride   mg/L   .05   .046   .92   .4   .72   .120   0   . Methylene chloride   mg/L   .05   .044   .88   .4   .76   .129   0   . Methylene chloride   mg/L   .05   .045   .90   .2   .72   .136   0   . Methylene chloride   mg/L   .05   .045   .91   .4   .72   .136   0   . Methylene chloride   mg/L   .05   .045   .91   .4   .72   .136   0   . Methylene chloride   mg/L   .05   .045   .91   .4   .72   .136   0   . Methylene   .15   .137   .91   .4   .74   .127   0   . Methylene   .15   .137   .91   .4   .74   .127   0   . Methylene   .15   .137   .91   .4   .74   .127   0   . Methylene   .15   .137   .130   . Methylene   .15   .137   .130   . Methylene   .15   .137   .130   . Methylene   .15   .045   .90   .6   .71   .132   0   . Methylene   .15   .045   .90   .6   .71   .132   0   . Methylene   .15   .045   .90   .045   .90   .6   .73   .130   0   . Methylene   .15   .046   .92   .4   .75   .129   0   . Methylene   .15   .046   .92   .4   .75   .126   0   . Methylene   .15   .045   .045   .90   .6   .73   .130   0   . Methylene   .15   .046   .92   .4   .75   .126   0   . Methylene   .15   .046   .93   .6   .70   .136   0   . Methylene   .15   .046   .93   .6   .7	Ethylbenzene	mg/L	.05	.045	91	6	74 - 126	0 - 30
Methyl Acetate         mg/L         .05         .043         .85         19         .57         - 139         0           Methyl iodide         mg/L         .05         .046         92         2         .57         - 141         0           Methylcyclohexane         mg/L         .05         .045         91         .4         .67         - 138         0           Methylene chloride         mg/L         .05         .042         84         .5         .68         - 132         0           Naphthalene         mg/L         .05         .043         .85         19         .57         - 138         0         -           Styrene         mg/L         .05         .047         .94         .6         .71         - 127         0         -           Tetrachloroethene         mg/L         .05         .045         .90         .4         .68         - 128         0         -           Trichloroethene         mg/L         .05         .046         .92         .4         .72         - 120         0           Trichlorotrifluoromethane         mg/L         .05         .045         .90         .12         .72         - 136         0         <	Hexachlorobutadiene	mg/L	.05	.047	93	2	61 - 144	0 - 30
Methyl iodide         mg/L         .05         .046         92         1         2         57         - 141         0         - Methylcyclohexane         mg/L         .05         .045         91         4         67         - 138         0         - Methylene chloride         mg/L         .05         .042         84         5         68         - 132         0         - Naphthalene         mg/L         .05         .043         85         19         57         - 138         0         - Styrene         mg/L         .05         .043         85         19         57         - 138         0         - Styrene         mg/L         .05         .043         85         19         57         - 138         0         - Styrene         mg/L         .05         .047         94         6         71         - 127         0         - Tetrachlorotere         mg/L         .05         .045         90         4         68         - 128         0         - Tichlorotere         mg/L         .05         .044         88         4         76         - 129         0         - 129         0         - 129         0         - 129         0         - 129         0         - 129         0         - 129	Isopropylbenzene (Cumene)	mg/L	.05	.045	90	6	71 - 125	0 - 30
Methylcyclohexane         mg/L         .05         .045         91         4         67         - 138         0           Methylene chloride         mg/L         .05         .042         84         5         68         - 132         0           Naphthalene         mg/L         .05         .043         85         19         57         - 138         0           Styrene         mg/L         .05         .047         94         6         71         - 127         0           Tetrachloroethene         mg/L         .05         .045         90         4         68         - 128         0         -           Toluene         mg/L         .05         .046         92         4         72         - 120         0         -           Trichloroethene         mg/L         .05         .044         88         4         76         - 129         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         90         1         2         72         - 136         0         -           Vinyl acetate         mg/L         .05         .045         91         1         4         72         - 136	Methyl Acetate	mg/L	.05	.043	85	19	57 - 139	0 - 30
Methylene chloride         mg/L         .05         .042         84         5         68         .132         0           Naphthalene         mg/L         .05         .043         85         19         57         .138         0           Styrene         mg/L         .05         .047         94         6         71         .127         0           Tetrachloroethene         mg/L         .05         .045         90         4         68         .128         0         -           Toluene         mg/L         .05         .046         92         4         72         .120         0         -           Trichlorotethene         mg/L         .05         .044         88         4         76         .129         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         90         2         72         .136         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         91         4         72         .136         0         -           Vinyl acetate         mg/L         .05         .045         91         4         72         .136         0	Methyl iodide	mg/L	.05	.046	92	2	57 - 141	0 - 30
Naphthalene         mg/L         .05         .043         .85         19         .57         .138         0           Styrene         mg/L         .05         .047         .94         .6         .71         .127         0           Tetrachloroethene         mg/L         .05         .045         .90         .4         .68         .128         0           Toluene         mg/L         .05         .046         .92         .4         .72         .120         0           Trichloroethene         mg/L         .05         .044         .88         .4         .76         .129         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         .90         .2         .72         .136         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         .91         .4         .72         .136         0         -           Vinyl acetate         mg/L         .05         .045         .91         .4         .72         .136         0         -           Vinyl chloride         mg/L         .05         .043         .85         .7         .68         .132         0	Methylcyclohexane	mg/L	.05	.045	91	, 4	67 - 138	0 - 30
Styrene         mg/L         .05         .047         94         6         71 - 127         0 -           Tetrachloroethene         mg/L         .05         .045         90         4         68 - 128         0 -           Toluene         mg/L         .05         .046         92         4         72 - 120         0 -           Trichloroethene         mg/L         .05         .044         88         4         76 - 129         0 -           Trichlorofluoromethane         mg/L         .05         .045         90         2         72 - 136         0 -           Trichlorotrifluoroethane         mg/L         .05         .045         91         4         72 - 136         0 -           Vinyl acetate         mg/L         .05         .045         91         4         72 - 136         0 -           Vinyl chloride         mg/L         .05         .05         100         8         54 - 147         0 -           Vinyl chloride         mg/L         .05         .043         85         7         68 - 132         0 -           Xylene (total)         mg/L         .15         .137         91         4         74 - 127         0 -	Methylene chloride	mg/L	.05	.042	84	5	68 - 132	0 - 30
Tetrachloroethene         mg/L         .05         .045         90         4         68 - 128 0 -         0 -           Toluene         mg/L         .05         .046         92         4         72 - 120 0 -         0 -           Trichloroethene         mg/L         .05         .044         88         4         76 - 129 0 -         0 -           Trichlorofuloromethane         mg/L         .05         .045         90         2         72 - 136 0 -         0 -           Trichlorotrifluoroethane         mg/L         .05         .045         91         4         72 - 136 0 -         0 -           Vinyl acetate         mg/L         .05         .045         91         4         72 - 136 0 -         0 -           Vinyl chloride         mg/L         .05         .05         100         8         54 - 147 0 -         0 -           Vinyl chloride         mg/L         .05         .043         85         7         68 - 132 0 -         0 -           Xylene (total)         mg/L         .15         .137         91         4         74 - 127 0 -         0 -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73 - 130 0	Naphthalene	mg/L	.05	.043	. 85	19	57 - 138	0 - 35
Toluene mg/L .05 .046 92 4 72 - 120 0 - Trichloroethene mg/L .05 .044 88	Styrene	mg/L	.05	.047	94	6	71 - 127	0 - 30
Trichloroethene         mg/L         .05         .044         88         4         76         - 129         0           Trichlorofluoromethane         mg/L         .05         .045         90         2         72         - 136         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         91         4         72         - 136         0         -           Vinyl acetate         mg/L         .05         .05         .100         8         .54         - 147         0         -           Vinyl chloride         mg/L         .05         .043         85         7         68         - 132         0         -           Xylene (total)         mg/L         .15         .137         91         4         74         - 127         0         -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73         - 130         0         -           cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71         - 132         0         -           m,p-Xylene         mg/L         .0         .046         92         4 <td>Tetrachloroethene</td> <td>mg/L</td> <td>.05</td> <td>.045</td> <td>90</td> <td>4</td> <td>68 - 128</td> <td>0 - 30</td>	Tetrachloroethene	mg/L	.05	.045	90	4	68 - 128	0 - 30
Trichlorofluoromethane         mg/L         .05         .045         90         2         72         - 136         0         -           Trichlorotrifluoroethane         mg/L         .05         .045         91         4         72         - 136         0         -           Vinyl acetate         mg/L         .05         .05         100         8         54         - 147         0         -           Vinyl chloride         mg/L         .05         .043         85         7         68         - 132         0         -           Xylene (total)         mg/L         .15         .137         91         4         74         - 127         0         -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73         - 130         0         -           cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71         - 132         0         -           m,p-Xylene         mg/L         .05         .046         92         4         74         - 126         0         -           n-Propylbenzene         mg/L         .05         .045         90	Toluene	mg/L	.05	.046	92	4	72 - 120	0 - 20
Trichlorotrifluoroethane         mg/L         .05         .045         91         4         72         - 136         0         -           Vinyl acetate         mg/L         .05         .05         100         8         54         - 147         0         -           Vinyl chloride         mg/L         .05         .043         85         7         68         - 132         0         -           Xylene (total)         mg/L         .15         .137         91         4         74         - 127         0         -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73         - 130         0         -           cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71         - 132         0         -           m,p-Xylene         mg/L         .1         .092         92         4         74         - 126         0         -           n-Butylbenzene         mg/L         .05         .046         92         4         69         - 134         0         -           n-Propylbenzene         mg/L         .05         .045         90	Trichloroethene	mg/L	.05	.044	88	. 4	76 - 129	0 - 20
Vinyl acetate         mg/L         .05         .05         100         8         .54         - 147         0         -           Vinyl chloride         mg/L         .05         .043         85         7         68         - 132         0         -           Xylene (total)         mg/L         .15         .137         91         4         74         - 127         0         -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         .73         - 130         0         -           cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         .71         - 132         0         -           m,p-Xylene         mg/L         .1         .092         92         4         .74         - 126         0         -           n-Butylbenzene         mg/L         .05         .046         92         4         69         - 134         0         -           n-Propylbenzene         mg/L         .05         .047         94         4         .75         - 129         0         -           o-Xylene         mg/L         .05         .045         90         6	Trichlorofluoromethane	mg/L	.05	.045	90	2	72 - 136	0 - 30
Vinyl chloride         mg/L         .05         .043         85         7         68 - 132         0 -           Xylene (total)         mg/L         .15         .137         91         4         74 - 127         0 -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73 - 130         0 -           cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71 - 132         0 -           m,p-Xylene         mg/L         .1         .092         92         4         74 - 126         0 -           n-Butylbenzene         mg/L         .05         .046         92         4         69 - 134         0 -           n-Propylbenzene         mg/L         .05         .047         94         4         75 - 129         0 -           o-Xylene         mg/L         .05         .045         90         6         73 - 130         0 -           sec-Butylbenzene         mg/L         .05         .046         93         6         70 - 136         0 -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71 - 125         0 -	Trichlorotrifluoroethane	mg/L	.05	.045	. 91	4	72 - 136	0 - 30
Xylene (total)         mg/L         .15         .137         91         4         74         - 127         0         -           cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73         - 130         0         -           cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71         - 132         0         -           m,p-Xylene         mg/L         .1         .092         92         4         .74         - 126         0         -           n-Butylbenzene         mg/L         .05         .046         92         4         69         - 134         0         -           n-Propylbenzene         mg/L         .05         .047         94         4         .75         - 129         0         -           o-Xylene         mg/L         .05         .045         90         6         .73         - 130         0         -           sec-Butylbenzene         mg/L         .05         .046         93         6         .70         - 136         0         -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87	Vinyl acetate	mg/L	.05	.05	100	8	54 - 147	0 - 30
cis-1,2-Dichloroethene         mg/L         .05         .044         88         7         73         - 130         0         - cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71         - 132         0         - m,p-Xylene         mg/L         .1         .092         92         4         .74         - 126         0         - n-Butylbenzene         mg/L         .05         .046         92         4         69         - 134         0         - n-Propylbenzene         mg/L         .05         .047         94         4         .75         - 129         0         - n-Xylene           o-Xylene         mg/L         .05         .045         90         6         .73         - 130         0         - n-Xylene           sec-Butylbenzene         mg/L         .05         .046         93         6         .70         - 136         0         - n-Xylene           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         .7         .71         - 125         0         -	Vinyl chloride	mg/L	.05	.043	85	7	68 - 132	0 - 30
cis-1,3-Dichloropropene         mg/L         .05         .045         90         6         71         - 132         0         -           m,p-Xylene         mg/L         .1         .092         92         4         74         - 126         0         -           n-Butylbenzene         mg/L         .05         .046         92         4         69         - 134         0         -           n-Propylbenzene         mg/L         .05         .047         94         4         75         - 129         0         -           o-Xylene         mg/L         .05         .045         90         6         73         - 130         0         -           sec-Butylbenzene         mg/L         .05         .046         93         6         70         - 136         0         -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71         - 125         0         -	Xylene (total)	mg/L	.15	.137	91	4	74 - 127	0 - 30
m,p-Xylene         mg/L         .1         .092         92         4         74         - 126         0         -           n-Butylbenzene         mg/L         .05         .046         92         4         69         - 134         0         -           n-Propylbenzene         mg/L         .05         .047         94         4         75         - 129         0         -           o-Xylene         mg/L         .05         .045         90         6         73         - 130         0         -           sec-Butylbenzene         mg/L         .05         .046         93         6         70         - 136         0         -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71         - 125         0         -	cis-1,2-Dichloroethene	mg/L	.05	.044	88	. 7	73 - 130	0 - 30
n-Butylbenzene         mg/L         .05         .046         92         4         69 - 134   0 -         0 -           n-Propylbenzene         mg/L         .05         .047         94         4         75 - 129   0 -         0 -           o-Xylene         mg/L         .05         .045         90         6         73 - 130   0 -         0 -           sec-Butylbenzene         mg/L         .05         .046         93         6         70 - 136   0 -         0 -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71 - 125   0 -	cis-1,3-Dichloropropene	mg/L	.05	.045	90	6	71 - 132	0 - 30
n-Propylbenzene         mg/L         .05         .047         94         4         75         - 129         0           o-Xylene         mg/L         .05         .045         90         6         73         - 130         0         -           sec-Butylbenzene         mg/L         .05         .046         93         6         70         - 136         0         -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71         - 125         0         -	m,p-Xylene	mg/L	.1	.092	92	4	74 - 126	0 - 30
o-Xylene         mg/L         .05         .045         90         6         73         - 130         0         -           sec-Butylbenzene         mg/L         .05         .046         93         6         70         - 136         0         -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71         - 125         0         -	n-Butylbenzene	mg/L	.05	.046	92	4	69 - 134	0 - 30
sec-Butylbenzene         mg/L         .05         .046         93         6         70 - 136         0 -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71 - 125         0 -	n-Propylbenzene	mg/L	.05	.047	94	4	75 - 129	0 - 30
sec-Butylbenzene         mg/L         .05         .046         93         6         70 - 136         0 -           tert-Butyl methyl ether (MTBE)         mg/L         .05         .044         87         7         71 - 125         0 -	o-Xylene	mg/L	.05	.045	90	6	73 - 130	0 - 30
tert-Butyl methyl ether (MTBE)			.05	.046	93	6	70 - 136	0 - 30
<u> </u>	tert-Butyl methyl ether (MTBE)		.05	.044	87	7		0 - 30
			.05	.047	93	2		
trans-1,2-Dichloroethene mg/L .05 .044 89 4 69 - 132 0 -		<del> </del>		<del></del>				
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# Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits

RPD:	0	out	of	74	outs	side lim	its
Snika R	2000	~/*	Λ	01	ıt of	1/18	auteida limite

Lab Name: GCAL			. Samı	ole ID T-15-F	····		
Lab Code: LA024	Case N	o.:	SAS	No.:	SDG No	o.: <u>2</u> 1	1011405
Contract:			Meth	od: SW-846 8260			
Analytical Batch: 449013							
SAMPLE NO: 21101140502		SPIKE	SAMPLE	MS	MS %		
COMPOUND	UNITS .	ADDED	CONCENTRATION	CONCENTRATION	REC	#	QC. LIMITS
1,1,1,2-Tetrachloroethane	mg/kg	3.04	0	2.97	98		77 - 122
1,1,1-Trichloroethane	mg/kg	3.04	0	2.93	96		70 - 130
1,1,2,2-Tetrachloroethane	mg/kg	3.04	0	2.77	91		66 - 129
1,1,2-Trichloroethane	mg/kg	3.04	0 .	2.71	89		74 - 120
1,1-Dichloroethane	mg/kg	3.04	0	2.97	98		71 - 126
1,1-Dichloroethene	mg/kg	3.04	0	2.94	97		68 - 129
1,1-Dichloropropene	mg/kg	3.04	0	2.95	97		70 - 138
1,2,3-Trichloropropane	mg/kg	3.04	0	2.58	85		63 - 132
1,2,4-Trichlorobenzene	mg/kg	3.04	0	2.71	89		64 - 135
1,2,4-Trimethylbenzene	mg/kg	3.04	0	3.01	99		75 - 130
1,2-Dibromo-3-chloropropane	mg/kg	3.04	0	2.53	83		60 - 123
1,2-Dibromoethane	mg/kg	3.04	0	2.75	90		74 - 122
1,2-Dichlorobenzene	mg/kg	3.04	0	2.96	97		76 - 125
1,2-Dichloroethane	mg/kg	3.04	0	2.85	94		68 - 126
1,2-Dichloropropane	mg/kg	3.04	0	3	99		72 - 129
1,3,5-Trimethylbenzene	mg/kg	3.04	0	3.01	99		74 - 136
1,3-Dichlorobenzene	mg/kg	3.04	0	2.98	98		77 - 127
1,3-Dichloropropane	mg/kg	3.04	0	2.79	92		77 - 121
1,4-Dichlorobenzene	mg/kg	3.04	0	3	99		74 - 123
2,2-Dichloropropane	mg/kg	3.04	0	2.91	96		74 - 129
2-Butanone	mg/kg	3.04	0	2.73	90		47 - 142
2-Chloroethylvinyl ether	mg/kg	3.04	0	2.18	72		42 - 134
2-Chlorotoluene	mg/kg	3.04	0	3.01	99		75 - 132
2-Hexanone	mg/kg	3.04	0	2.71	89		47 - 137
4-Chlorotoluene	mg/kg	3.04	0	3.03	100		74 - 133
4-Isopropyltoluene	mg/kg	3.04	0	2.95	97		71 - 136
4-Methyl-2-pentanone	mg/kg	3.04	0	2.57	84		52 - 136
Acetone	mg/kg	3.04	0	2.84	93		38 - 152
Acrolein	mg/kg	15.2	0 .	1.05	7	*	34 - 158
Acrylonitrile	mg/kg	15.2	0	13	86	1	49 - 142
Benzene	mg/kg	3.04	0	3.1	102	$\neg$	73 - 128
Bromobenzene	mg/kg	3.04	0	3.02	99		73 - 124
Bromodichloromethane	mg/kg	3.04	0	2.97	98	$\neg$	74 - 126
Bromoform	mg/kg	3.04	0	2.77	91		67 - 122
Bromomethane	mg/kg	3.04	0	2.78	92	$\neg \neg$	48 - 139
Carbon disulfide	mg/kg	3.04	0	2.94	97		68 - 133
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# Column to be used to flag recovery and RPD values with an asterisk

*	Values	ahistun	of OC	limits

RPD:	6	out of	74	Ļį	outside	limits	;	
Spike F	Recovery	r:	3	out	of 14	48	outside	limits

Lab Name: GCAL			Samp	ole ID T-15-F		
Lab Code: LA024	Case N	lo.:	SAS	No.:	SDG No.:	211011405
Contract:			Metho	od: SW-846 8260		
Analytical Batch: 449013				; 	,	
Carbon tetrachloride	mg/kg	3.04	, 0	2.9	95	71 - 133
Chlorobenzene	mg/kg	3.04	0	3.01	99	75 - 121
Chloroethane	mg/kg	3.04	0	2.64	87	57 - 144
Chloroform	mg/kg	3.04	.638	2.96	76	74 - 124
Chloromethane	mg/kg	3.04	0	2.63	86	61 - 130
Cyclohexane	mg/kg	3.04	0	3	99	70 - 136
Dibromochloromethane	mg/kg	3.04	0	2.84	93	74 - 122
Dibromomethane	mg/kg	3.04	0	2.81	92	72 - 125
Dichlorodifluoromethane	mg/kg	3.04	0	2.75	90	59 - 138
Ethylbenzene	mg/kg	3.04	. 0	2.94	97 .	74 - 130
Hexachlorobutadiene	mg/kg	3.04	0	2.76	91	71 - 140
Isopropylbenzene (Cumene)	mg/kg	3.04	0	2.91	96	74 - 125
Methyl Acetate	mg/kg	3.04	0	2.76	91	49 - 138
Methyl iodide	mg/kg	3.04	0	3.14	103	54 - 140
Methylcyclohexane	mg/kg	3.04	0.	2.88	95	70 - 142
Methylene chloride	mg/kg	3.04	0	2.85	94	66 - 130
Naphthalene	mg/kg	3.04	0	2.42	80	54 - 132
Styrene	mg/kg	3.04	0	3.08	101	72 - 128
Tetrachloroethene	mg/kg	3.04	0	2.89	95	70 - 127
Toluene	mg/kg	3.04	0 .	3.02	99 .	74 - 121
Trichloroethene	mg/kg	3.04	.112	2.96	94	78 - 127
Trichlorofluoromethane	mg/kg	3.04	0	2.96	97	64 - 141
Trichlorotrifluoroethane	mg/kg	3.04	0	2.9	95	66 - 139
Vinyl acetate	mg/kg	3.04	0	2.13	70	53 - 140
Vinyl chloride	mg/kg	3.04	0	2.76	91	67 - 131
Xylene (total)	mg/kg	9.12	0	8.97	98	71 - 129
cis-1,2-Dichloroethene	mg/kg	3.04	.198	2.96	91	72 - 130
cis-1,3-Dichloropropene	mg/kg	3.04	0	2.96	97	72 - 129
m,p-Xylene	mg/kg	6.08	0 .	5.97	98	72 - 128
n-Butylbenzene	mg/kg	3.04	0	2.95	97	68 - 144
n-Propylbenzene	mg/kg	3.04	0	3.01	99	73 - 137
o-Xylene	mg/kg	3.04	0	3	99	69 - 133
sec-Butylbenzene	mg/kg	3.04	0	2.97	98	72 - 141
tert-Butyl methyl ether (MTBE)	mg/kg	3.04	0	2.77	91	69 - 126
tert-Butylbenzene	mg/kg	3.04	0	2.97	98	72 - 136
trans-1,2-Dichloroethene	mg/kg	3.04	0	2.97	98	67 - 134
trans-1,3-Dichloropropene	mg/kg	3.04	0	2.88	95	72 - 126
trans-1,4-Dichloro-2-butene	mg/kg	3.04	0	2.67	88	44 - 146

# Column to be used to flag recovery and	id RPD values with an asterisk
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RPD:_	6	out of		74	outsi	de lim	its
Spike R	ecover	у:	3	out	of	148	outside limits

^{*} Values outside of QC limits

Lab Name: GCAL		Sample ID T-15-F								
Lab Code: LA024	Case No		•	SAS No.: SDG No.: 211011405						
Contract:				Method: SW-8	46 82	260				
Analytical Batch: 449013	ang digital and distributed the			•						
SAMPLE NO : 21101140	503	٠.								
COMPOUND	UNITS	SPIKE ADDED	MSD CON	C. MSD % REC	#	% RPD	#	QC. REC	LIMITS RPD	
1,1,1,2-Tetrachloroethane	mg/kg	2.47	2.38	96		22		77 - 122	0 - 30	
1,1,1-Trichloroethane	mg/kg	2.47	2.3	93	j	24		70 - 130	0 - 30	
1,1,2,2-Tetrachloroethane	mg/kg	2.47	2.36	96		16		66 - 129	0 - 30	
1,1,2-Trichloroethane	mg/kg	2.47	2.27	92		18		74 - 120	0 - 30	
1,1-Dichloroethane	mg/kg	2.47	2.34	95		24		71 - 126	0 - 30	
1,1-Dichloroethene	mg/kg	2.47	2.28	92		25	*	68 - 129	0 - 22	
1,1-Dichloropropene	mg/kg	2.47	2.3	93		25		70 - 138	0 - 30	
1,2,3-Trichloropropane	mg/kg	2.47	2.21	89		15		63 - 132	0 - 30	
1,2,4-Trichlorobenzene	mg/kg	2.47	2.3	93		16		64 - 135	0 - 30	
1,2,4-Trimethylbenzene	mg/kg	2.47	2.34	95		25		75 - 130	0 - 30	
1,2-Dibromo-3-chloropropane	mg/kg	2.47	2.3	93		9		60 - 123	0 - 30	
1,2-Dibromoethane	mg/kg	2.47	2.28	92		19		74 - 122	0 - 30	
1,2-Dichlorobenzene	mg/kg	2.47	2.39	96		21		76 - 125	0 - 30	
1,2-Dichloroethane	mg/kg	2.47	2.33	94		20		68 - 126	0 - 30	
1,2-Dichloropropane	mg/kg	2.47	2.34	95		25		72 - 129	0 - 30	
1,3,5-Trimethylbenzene	mg/kg	2.47	2.34	95		25		74 - 136	0 - 30	
1,3-Dichlorobenzene	mg/kg	2.47	2.35	95		24		77 - 127	0 - 30	
1,3-Dichloropropane	mg/kg	2.47	2.3	93		19	1	77 - 121	0 - 30	
1,4-Dichlorobenzene	mg/kg	2.47	2.36	96		24.		74 - 123	0 - 30	
2,2-Dichloropropane	mg/kg	2.47	2.24	91		26		74 - 129	0 - 30	
2-Butanone	mg/kg	2.47	2.54	103		7		47 - 142	0 - 30	
2-Chloroethylvinyl ether	mg/kg	2.47	1.91	77		13		42 - 134	0 - 30	
2-Chlorotoluene	mg/kg	2.47	2.36	96		24		75 - 132	0 - 30	
2-Hexanone	mg/kg	2.47	2.55	103		6		47 - 137	0 - 30	
4-Chlorotoluene	mg/kg	2,47	2.35	95		25		74 - 133	. 0 - 30	
4-Isopropyltoluene	mg/kg	2.47	2.32	94		24		71 - 136	0 - 30	
4-Methyl-2-pentanone	mg/kg	2.47	2.39	96		7 -	T	52 - 136	0 - 30	
Acetone	mg/kg	2.47	2.6	105		9	1	38 - 152	0 - 30	
Acrolein	mg/kg	12.4	2.45	20	*	80	*	34 - 158	0 - 30	
Acrylonitrile	mg/kg	12.4	11.7	95		11		49 - 142	0 - 30	
Benzene	mg/kg	2.47	2.36	96		27	*	73 - 128	0 - 21	
Bromobenzene	mg/kg	2.47	2.36	96		24		73 - 124	0 - 30	
Bromodichloromethane	mg/kg	2.47	2.35	95		23	$\top$	74 - 126	0 - 30	
Bromoform	mg/kg	2.47	2.39	96		15		67 - 122	0 - 30	
Bromomethane	mg/kg	2.47	2.27	92		20		48 - 139	0 - 30	
Carbon disulfide	mg/kg	2.47	2.27	92		26		68 - 133	0 - 30	
						· · · · · · · · · · · · · · · · · · ·			;	

RPD: 6 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

[#] Column to be used to flag recovery and RPD values with an asterisk

^{*} Values outside of QC limits

# 3B SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL				Sample ID T-1	5-F	
Lab Code: LA024	Case No.:	·		SAS No.:	· · · · · · · · · · · · · · · · · · ·	SDG No.: 211011405
Contract:				Method: SW-8	46 8260	· · · · · · · · · · · · · · · · · · ·
Analytical Batch: 449013						
Carbon tetrachloride	mg/kg	2.47	2.26	91	25	71 - 133 0 - 30
Chlorobenzene	mg/kg	2.47	2.39	96	23	* 75 - 121 0 - 21
Chloroethane	mg/kg	2.47	1.72	69	42	* 57 - 144 0 - 30
Chloroform	mg/kg	2.47	2.38	70	*   22	74 - 124 0 - 30
Chloromethane	mg/kg	2.47	2.13	86	21	61 - 130 0 - 30
Cyclohexane	mg/kg	2.47	2.36	96	- 24	70 - 136 0 - 30
Dibromochloromethane	mg/kg	2.47	2.3	93	21	74 - 122 0 - 30
Dibromomethane	mg/kg	2.47	2.28	92	21	72 - 125 0 - 30
Dichlorodifluoromethane	mg/kg	2.47	2.13	86	25	59 - 138 0 - 30
Ethylbenzene	mg/kg	2.47	2.29	93	25	74 - 130 0 - 30
Hexachlorobutadiene	mg/kg	2.47	, 2.3	93	18	71 - 140 0 - 30
Isopropylbenzene (Cumene)	mg/kg	2.47	2.33	94	. 22	74 - 125 0 - 30
Methyl Acetate	mg/kg	2.47	2.48	100	10	49 - 138 0 - 30
Methyl iodide	mg/kg	2.47	2.58	104	20	54 - 140 0 - 30
Methylcyclohexane	mg/kg	2.47	2.26	91	24	70 - 142 0 - 30
Methylene chloride	mg/kg	2.47	2.22	90	25	66 - 130 0 - 30
Naphthalene	mg/kg	2.47	2.28	92	6	54 - 132 0 - 30
Styrene	mg/kg	2.47	2.47	100	22	72 - 128 0 - 30
Tetrachloroethene	mg/kg	2.47	2.28	92	24	70 - 127 0 - 30
Toluene	mg/kg	2.47	2.39	96	23	* 74 - 121 0 - 21
Trichloroethene	mg/kg	2.47	2.34	90	23	78 - 127 0 - 24
Trichlorofluoromethane	mg/kg	2.47	2.27	92	. 26	64 - 141 0 - 30
Trichlorotrifluoroethane	mg/kg	2.47	2.27	92	24	66 - 139 0 - 30
Vinyl acetate	mg/kg	2.47	1.78	72	18	53 - 140 0 - 30
Vinyl chloride	mg/kg	2.47	2.18	88	23	67 - 131 0 - 30
Xylene (total)	mg/kg	7.43	7.04	95	24	71 - 129 0 - 30
cis-1,2-Dichloroethene	mg/kg	2.47	2.32	86	24	72 - 130 0 - 30
cis-1,3-Dichloropropene	mg/kg	2.47	2.39	96	21	72 - 129 0 - 30
m,p-Xylene	mg/kg	4.95	4.69	95	24	72 - 128 0 - 30
n-Butylbenzene	mg/kg	2.47	2.32	94	24	68 - 144 0 - 30
n-Propylbenzene	mg/kg	2.47	2.34	95	25	73 - 137 0 - 30
o-Xylene	mg/kg	2.47	2.35	95	24	69 - 133 0 - 30
sec-Butylbenzene	mg/kg	2.47	2.32	94	25	72 - 141 0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	2.47	2.34	95	17	69 - 126 0 - 30
tert-Butylbenzene	mg/kg	2.47	2.32	94	25	72 - 136 0 - 30
trans-1,2-Dichloroethene	mg/kg	2.47	2.32	94	25	67 - 134 0 - 30
trans-1,3-Dichloropropene	mg/kg	2.47	2.38	96	19	72 - 126 0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	2.47	2.4	97	11	44 - 146 0 - 30

#	Column to	he use	d to flac	recovery and	RPD valu	es with a	n asterisk
77	Columnition	, ne ase	u io nai	I IECOVEI V AIIU	INFD Valu	162 MINI O	II asterisk

RPD: 6 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

^{*} Values outside of QC limits

Lab Name: GCAL	·			•	•	•
Lab Code: LA024	Case No.:			No.:	SDG No.:	211011405
Contract:			Meth	od: SW-846 8260		
Analytical Batch: 449013				· ·		·
SAMPLE NO: 913052			,			
COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	# QC. LIMITS
1,1,1,2-Tetrachloroethane	mg/kg	2.5	0	2.45	98	77 - 122
1,1,1-Trichloroethane	mg/kg	2.5	0	2.32	93	70 - 130
1,1,2,2-Tetrachloroethane	mg/kg	2.5	0	2.9	116	66 - 129
1,1,2-Trichloroethane	mg/kg	2.5	. 0	2.34	94	74 - 120
1,1-Dichloroethane	mg/kg	2.5	0	2.36	94	71 - 126
1,1-Dichloroethene	mg/kg	2.5	0	2.32	93	68 - 129
1,1-Dichloropropene	mg/kg	2.5	0	2.35	94	70 - 138
1,2,3-Trichloropropane	mg/kg	2.5	0	2.5	100	63 - 132
1,2,4-Trichlorobenzene	mg/kg	2.5	. 0	2.51	100:	64 - 135
1,2,4-Trimethylbenzene	mg/kg	2.5	.0	2.42	97	75 - 130
1,2-Dibromo-3-chloropropane	mg/kg	2.5	Ö	2.8	112	60 - 123
1,2-Dibromoethane	mg/kg	2.5	0	2.34	94	74 - 122
1,2-Dichlorobenzene	mg/kg	2.5	0	2.49	100	76 - 125
1,2-Dichloroethane	mg/kg	2.5	0	2.33	93	68 - 126
1,2-Dichloropropane	mg/kg	2.5	0	2.35	94	72 - 129
1,3,5-Trimethylbenzene	mg/kg	2.5	0	2.42	97	74 - 136
1,3-Dichlorobenzene	mg/kg	2.5	0	2.45	98	77 - 127
1,3-Dichloropropane	mg/kg	2.5	Ö .	2.34	94	77 - 121
1,4-Dichlorobenzene	mg/kg	2.5	0	2.46	98	74 - 123
2,2-Dichloropropane	mg/kg	2.5	0	2.37	95	74 - 129
2-Butanone	mg/kg	. 2.5	0 .	2.8	112	47 - 142
2-Chloroethylvinyl ether	mg/kg	2.5	0	2.11	84	42 - 134
2-Chlorotoluene	mg/kg	2.5	0 .	2.46	98	75 - 132
2-Hexanone	mg/kg	2.5	0	3.03	121	47 - 137
4-Chlorotoluene	mg/kg	2.5	0	2.44	98	74 - 133
4-Isopropyltoluene	mg/kg	2.5	0	2.4	96	71 - 136
4-Methyl-2-pentanone	mg/kg	2.5	0	2.64	106	52 - 136
Acetone	mg/kg	2.5	0	2.84	114	38 - 152
Acrolein	mg/kg	12.5	0	15.5	124	34 - 158
Acrylonitrile	mg/kg	12.5	0	12.9	103	49 - 142
Benzene	mg/kg	2.5	0 -	2.33	93	73 - 128
Bromobenzene	mg/kg	2.5	0	2.43	97	73 - 124
Bromodichloromethane	mg/kg	2.5	0	2.37	95	74 - 126
Bromoform	mg/kg	2.5	0	2.68	107	67 - 122
Bromomethane	mg/kg	2.5	0	2.27	91	48 - 139
Carbon disulfide	mg/kg	2.5	0	2.27	91	68 - 133
	•••				,	

RPD :	0	out of		74	outs	ide lim	its	
Spike Re	cover	y:	0	out	of	148	outside	imits

[#] Column to be used to flag recovery and RPD values with an asterisk

^{*} Values outside of QC limits

Lab Name: GCAL					•	
Lab Code: LA024	Case N	o.:	SAS	No.:	SDG No	.: 211011405
Contract:			Meth	od: SW-846 8260		1
Analytical Batch: 449013			·	· .		
Carbon tetrachloride	mg/kg	2.5	0	2.35	94	71 - 133
Chlorobenzene	mg/kg	2.5	0	2.44	98	75 - 121
Chloroethane	mg/kg	2.5	0	2.34	94	57 - 144
Chloroform	mg/kg	2.5	0	2.37	95	74 - 124
Chloromethane	mg/kg	2.5	0	2.23	89	61 - 130
Cyclohexane	mg/kg	2.5	0	2.42	97	70 - 136
Dibromochloromethane	mg/kg	2.5	0	2.44	98	74 - 122
Dibromomethane	mg/kg	2.5	0	2.32	93	72 - 125
Dichlorodifluoromethane	mg/kg	2.5	0	2.21	88	59 - 138
Ethylbenzene	mg/kg	2.5	0	2.37	95	74 - 130
Hexachlorobutadiene	mg/kg	2.5	0 .	2.39	96	71 - 140
Isopropylbenzene (Cumene)	mg/kg	2.5	0	2.39	96	74 - 125
Methyl Acetate	mg/kg	2.5	0 ·	2.58	103	49 - 138
Methyl iodide	mg/kg	2.5	0	2.35	94	54 - 140
Methylcyclohexane	mg/kg	2.5	0	2.37	95	70 - 142
Methylene chloride	mg/kg	2.5	0	2.21	88	66 - 130
Naphthalene	mg/kg	2.5	0	2.58	103	54 - 132
Styrene	mg/kg	2.5	0	2.51	100	72 - 128
Tetrachloroethene	mg/kg	2.5	0	2.35	94	70 - 127
Toluene	mg/kg	2.5	0	2.42	97	74 - 121
Trichloroethene	mg/kg	2.5	0	2.28	91	78 - 127
Trichlorofluoromethane	mg/kg	2.5	0	2.32	93	64 - 141
Trichlorotrifluoroethane	mg/kg	2.5	0	2.36	94	66 - 139
Vinyl acetate	mg/kg	. 2.5	0	2.69	108	53 - 140
Vinyl chloride	mg/kg	2.5	0	2.29	92	67 - 131
Xylene (total)	mg/kg	7.5	0	7.17	96	71 - 129
cis-1,2-Dichloroethene	mg/kg	2.5	0	2.33	93	72 - 130
cis-1,3-Dichloropropene	mg/kg	2.5	0	2.39	96	72 - 129
m,p-Xylene	mg/kg	5	0	4.79	96	72 - 128
n-Butylbenzene	mg/kg	2.5	0	2.41	96	68 - 144
n-Propylbenzene	mg/kg	2.5	0	2.43	97	73 - 137
o-Xylene	mg/kg	2.5	0	2.38	95	69 - 133
sec-Butylbenzene	mg/kg	2.5	0	2.43	97	72 - 141
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	0 ·	2.37	95	69 - 126
tert-Butylbenzene	mg/kg	2.5	0	2.39	96	72 - 136
trans-1,2-Dichloroethene	mg/kg	2.5	0	2.29	92	· 67 - 134
trans-1,3-Dichloropropene	mg/kg	2.5	0	2.41	96	72 - 126
trans-1,4-Dichloro-2-butene	mg/kg	2.5	0	2.76	110	44 - 146

# Column to be used to flag recovery	and	RPD	values	with	an	asteris	;k
* Values outside of QC limits							

RPD :	0	ou	t of	74	out	tside lim	its
Spike Re	ecove	ry:	0	oı	it of_	148	outside limits

1,2,3-Trichloropropane       mg/kg       2.5       2.19       88       13       63       - 132       0       - 30         1,2,4-Trichlorobenzene       mg/kg       2.5       2.25       90       11       64       - 135       0       - 30         1,2,4-Trimethylbenzene       mg/kg       2.5       2.31       92       5       75       - 130       0       - 30         1,2-Dibromo-3-chloropropane       mg/kg       2.5       2.31       92       19       60       - 123       0       30         1,2-Dibromoethane       mg/kg       2.5       2.14       86       9       74       - 122       0       - 30         1,2-Dichlorobenzene       mg/kg       2.5       2.16       86       8       68       - 125       0       - 30         1,2-Dichlorobenzene       mg/kg       2.5       2.25       90       4       72       - 129       0       - 30         1,3-Dichlorobenzene       mg/kg       2.5       2.32       93       4       74       - 136       0       - 30         1,3-Dichlorobropane       mg/kg       2.5       2.32       93       5       77       - 127       0       - 30	ab Name: GCAL									
Analytical Batch: 449013   SAMPLE NO : 913053   SPIKE COMPOUND   UNITS ADDED   LCSD CONC.   LCSD   % REC   RPD   REC   RPD   REC   RPD   REC   RPD   REC   RPD   RPD   RPD   REC   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD	Lab Code: LA024	Case No.:		SAS No	SAS No.: SDG No.: 211011405					
SAMPLE NO: 913053   SPIKE   UNITS ADDED   LCSD CONC.   LCSD   % REC   # % RPD   # REC   RPD   RPD     RPD     RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RPD   RP	Contract:		···	Method	SW-846 82	260				
COMPOUND         UNITS ADDED         LCSD CONC.         LCSD CONC.         # RPD         # RPD         # RPD         LCSD C. LMITS           1.1.1,2-Tetrachloroethane         mg/kg         2.5         2.29         92         7         7         122         0         30           1.1.1,2-Tetrachloroethane         mg/kg         2.5         2.22         89         4         70         - 130         0         - 30           1.1.1,2-Trichloroethane         mg/kg         2.5         2.21         88         17         66         129         0         30           1,1-Dichloroethane         mg/kg         2.5         2.21         88         7         71         - 126         0         30           1,1-Dichloroethane         mg/kg         2.5         2.24         90         4         68         129         0         30           1,1-Dichloroethane         mg/kg         2.5         2.24         90         4         68         129         0         30           1,2-Dichloroethane         mg/kg         2.5         2.24         90         5         7         133         0         30           1,2-Dichroebachane         mg/kg         2.5         2.31 <td>Analytical Batch: 449013</td> <td></td> <td></td> <td>•</td> <td></td> <td>.*</td> <td></td> <td><u>-</u>'</td> <td></td>	Analytical Batch: 449013			•		.*		<u>-</u> '		
1,1,1,2-Tetrachloroethane	SAMPLE NO: 913053									
1,1,1-Trichloroethane         mg/kg         2.5         2.22         89         4         70         - 130         0         - 30           1,1,2,2-Tertachloroethane         mg/kg         2.5         2.45         98         17         66         - 129         0         - 30           1,1-Dichloroethane         mg/kg         2.5         2.21         88         7         71         - 126         0         - 30           1,1-Dichloroethane         mg/kg         2.5         2.24         90         4         68         - 129         0         30           1,1-Dichloroptopene         mg/kg         2.5         2.24         90         5         70         - 138         0         - 30           1,2,3-Trichloropropane         mg/kg         2.5         2.29         90         11         64         - 135         0         - 30           1,2,4-Trichlorobenzene         mg/kg         2.5         2.219         88         13         63         - 132         0         30           1,2,2-Dichlorobenzene         mg/kg         2.5         2.31         92         5         75         - 130         0         - 30           1,2-Dichlorobenzene         mg/kg	COMPOUND			20 00110			#			
1.1,2,2-Tetrachioroethane         mg/kg         2.5         2.45         98         17         66         129         0         30           1.1,2-Trichloroethane         mg/kg         2.5         2.15         86         8         74         -120         0         30           1,1-Dichloroethane         mg/kg         2.5         2.21         88         7         71         -126         0         30           1,1-Dichloroethane         mg/kg         2.5         2.24         90         4         68         -129         0         30           1,1-Dichloropropane         mg/kg         2.5         2.24         90         5         70         -138         0         -30           1,2,3-Trichloropropane         mg/kg         2.5         2.24         90         5         70         -138         0         -30           1,2,4-Trichloropropane         mg/kg         2.5         2.21         98         11         64         -135         0         -30           1,2-Dichropropane         mg/kg         2.5         2.31         92         19         60         -123         0         30           1,2-Dichlorobenzene         mg/kg         2.5	1,1,1,2-Tetrachloroethane	mg/kg	2.5 2.2	29	92	7		77 - 122	0 - 30	
1,1,2-Trichloroethane	1,1,1-Trichloroethane	mg/kg	2.5 2.2	22	89	4		70 - 130	0 - 30	
1,1-Dichloroethane	1,1,2,2-Tetrachloroethane	mg/kg	2.5 2.4	15	98	17		66 - 129	0 - 30	
1,1-Dichloroethene         mg/kg         2.5         2.24         90         4         68         - 129         0         30           1,1-Dichloropropene         mg/kg         2.5         2.24         90         5         70         - 138         0         30           1,2,3-Trichloropropane         mg/kg         2.5         2.19         88         13         63         - 132         0         30           1,2,4-Trinchroropane         mg/kg         2.5         2.25         90         111         64         - 135         0         30           1,2,4-Trimethylbenzene         mg/kg         2.5         2.31         92         5         75         - 130         0         30           1,2-Dichloropropane         mg/kg         2.5         2.31         92         19         60         - 123         0         30           1,2-Dichlorobenzene         mg/kg         2.5         2.14         86         9         74         - 125         0         30           1,2-Dichlorobenzene         mg/kg         2.5         2.25         90         4         72         - 129         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5 <td>1,1,2-Trichloroethane</td> <td>mg/kg</td> <td>2.5 2.1</td> <td>5</td> <td>86 .</td> <td>8</td> <td></td> <td>74 - 120</td> <td>0 - 30</td>	1,1,2-Trichloroethane	mg/kg	2.5 2.1	5	86 .	8		74 - 120	0 - 30	
1,1-Dichloropropene         mg/kg         2.5         2.24         90         5         70         - 138         0         - 30           1,2,3-Trichloropropane         mg/kg         2.5         2.19         88         13         63         - 132         0         - 30           1,2,4-Trichlorobenzene         mg/kg         2.5         2.25         90         11         64         - 135         0         - 30           1,2,4-Trimethylbenzene         mg/kg         2.5         2.31         92         5         75         - 130         0         - 30           1,2-Dibromo-3-chloropropane         mg/kg         2.5         2.31         92         19         60         - 123         0         30           1,2-Dichlorobenzene         mg/kg         2.5         2.14         86         9         74         - 122         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.16         86         8         68         125         0         - 30           1,3-Dichloropropane         mg/kg         2.5         2.32         93         4         77         - 127         0         - 30           1,3-Dichlorobrezene         mg/kg	1,1-Dichloroethane	mg/kg	2.5 2.2	21	88	7		71 - 126	0 - 30	
1,2,3-Trichloropropane       mg/kg       2.5       2.19       88       13       63       - 132       0       - 30         1,2,4-Trichlorobenzene       mg/kg       2.5       2.25       90       11       64       - 135       0       - 30         1,2,4-Trimethylbenzene       mg/kg       2.5       2.31       92       5       75       - 130       0       - 30         1,2-Dibromo-3-chloropropane       mg/kg       2.5       2.31       92       19       60       - 123       0       30         1,2-Dibromoethane       mg/kg       2.5       2.14       86       9       74       - 122       0       - 30         1,2-Dichlorobenzene       mg/kg       2.5       2.16       86       8       68       - 125       0       - 30         1,2-Dichlorobenzene       mg/kg       2.5       2.25       90       4       72       - 129       0       - 30         1,3-Dichlorobenzene       mg/kg       2.5       2.32       93       4       77       - 127       0       - 30         1,3-Dichlorobrozene       mg/kg       2.5       2.32       93       5       77       - 127       0       - 30	1,1-Dichloroethene	mg/kg	2.5 2.2	24	90	4		68 - 129	0 - 30	
1,2,4-Trichlorobenzene         mg/kg         2.5         2.25         90         11         64         - 135         0         - 30           1,2,4-Trimethylbenzene         mg/kg         2.5         2.31         92         5         75         - 130         0         - 30           1,2-Dibromo-3-chloropropane         mg/kg         2.5         2.31         92         19         60         - 123         0         - 30           1,2-Dibromo-3-chloropropane         mg/kg         2.5         2.14         86         9         74         - 122         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.16         86         8         68         - 126         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.25         90         4         72         - 129         0         - 30           1,2-Dichloropropane         mg/kg         2.5         2.25         90         4         74         - 136         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 121         0         - 30           1,4-Dichlorobenzene         mg	1,1-Dichloropropene	mg/kg	2.5 2.2	24	90	5		70 - 138	0 - 30	
1,2,4-Trimethylbenzene         mg/kg         2.5         2.31         92         5         75         130         0         - 30           1,2-Dibromo-3-chloropropane         mg/kg         2.5         2.31         92         19         60         - 123         0         - 30           1,2-Dibromoethane         mg/kg         2.5         2.14         86         9         74         - 122         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.33         93         7         76         - 125         0         - 30           1,2-Dichloroptopane         mg/kg         2.5         2.216         86         8         68         126         0         - 30           1,2-Dichloropropane         mg/kg         2.5         2.25         90         4         72         - 129         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         127         0         30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         127         0         30           1,4-Dichlorobenzene         mg/kg         2.5<	1,2,3-Trichloropropane	mg/kg	2.5 2.1	9	88	. 13		63 - 132	0 - 30	
1,2-Dibromo-3-chloropropane         mg/kg         2.5         2.31         92         19         60         - 123         0         - 30           1,2-Dibromoethane         mg/kg         2.5         2.14         86         9         74         - 122         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.33         93         7         76         - 125         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.16         86         8         68         - 126         0         - 30           1,3-Dichloropropane         mg/kg         2.5         2.32         93         4         74         - 136         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.34         94         5         74         - 123         0         - 30           1,4-Dichlorobenzene         mg/kg	1,2,4-Trichlorobenzene	mg/kg	2.5 2.2	25	90	11		64 - 135	0 - 30	
1,2-Dibromoethane         mg/kg         2.5         2.14         86         9         74         - 122         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.33         93         7         76         - 125         0         - 30           1,2-Dichlorobenzene         mg/kg         2.5         2.16         86         8         68         - 126         0         - 30           1,2-Dichloropropane         mg/kg         2.5         2.25         90         4         72         - 129         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,4-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,4-Dichlorobenzene         mg/kg         2.5         2.34         94         5         74         - 123         0         - 30           2,-Dichloropropane         mg/kg         2.5         2.25         90         5         74         - 129         0         - 30           2,-Dichloropropane         mg/kg         2.5 <td>1,2,4-Trimethylbenzene</td> <td>mg/kg</td> <td>2.5 2.3</td> <td>31</td> <td>92</td> <td>5</td> <td></td> <td>75 - 130</td> <td>0 - 30</td>	1,2,4-Trimethylbenzene	mg/kg	2.5 2.3	31	92	5		75 - 130	0 - 30	
1,2-Dichlorobenzene         mg/kg         2.5         2.33         93         7         76         - 125         0         30           1,2-Dichloroethane         mg/kg         2.5         2.16         86         8         68         - 126         0         - 30           1,2-Dichloropropane         mg/kg         2.5         2.25         90         4         72         - 129         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         4         74         - 136         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.34         94         5         77         - 121         0         - 30           2,2-Dichloropropane         mg/kg         2.5         2.234         94         5         74         - 129         0         - 30           2,2-Dichloropropane         mg/kg         2.5         2.234         94         18         47         - 142         0         - 30           2-Butanone         mg/kg         2.5	1,2-Dibromo-3-chloropropane	mg/kg	2.5 2.3	31	92	19		60 - 123	0 - 30	
1,2-Dichloroethane       mg/kg       2.5       2.16       86       8       68       - 126       0       - 30         1,2-Dichloropropane       mg/kg       2.5       2.25       90       4       72       - 129       0       - 30         1,3-Trimethylbenzene       mg/kg       2.5       2.32       93       4       74       - 136       0       - 30         1,3-Dichloropropane       mg/kg       2.5       2.32       93       5       77       - 127       0       - 30         1,3-Dichloropropane       mg/kg       2.5       2.32       93       5       77       - 127       0       - 30         1,4-Dichlorobenzene       mg/kg       2.5       2.34       94       5       74       - 123       0       - 30         2,2-Dichloropropane       mg/kg       2.5       2.25       90       5       74       - 129       0       - 30         2,2-Dichloropropane       mg/kg       2.5       2.24       94       18       47       - 142       0       - 30         2,2-Dichloropropane       mg/kg       2.5       2.34       94       18       47       - 142       0       - 30 <tr< td=""><td>1,2-Dibromoethane</td><td>mg/kg</td><td>2.5 2.1</td><td>4</td><td>86</td><td>9</td><td></td><td>74 - 122</td><td>0 - 30</td></tr<>	1,2-Dibromoethane	mg/kg	2.5 2.1	4	86	9		74 - 122	0 - 30	
1,2-Dichloropropane         mg/kg         2.5         2.25         90         4         72         - 129         0         - 30           1,3,5-Trimethylbenzene         mg/kg         2.5         2.32         93         4         74         - 136         0         - 30           1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,3-Dichloropropane         mg/kg         2.5         2.17         87         8         77         - 121         0         - 30           1,4-Dichlorobenzene         mg/kg         2.5         2.34         94         5         74         - 129         0         - 30           2,2-Dichloropropane         mg/kg         2.5         2.25         90         5         74         - 129         0         - 30           2,2-Dichloropropane         mg/kg         2.5         2.34         94         18         47         - 142         0         - 30           2,-Chlorothylvinyl ether         mg/kg         2.5         1.61         64         27         42         134         0         - 30           2-Hexanone         mg/kg         2.5<	1,2-Dichlorobenzene	mg/kg	2.5 2.3	13	93	7 .		76 - 125	0 - 30	
1,3,5-Trimethylbenzene       mg/kg       2.5       2.32       93       4       74 - 136       0 - 30         1,3-Dichlorobenzene       mg/kg       2.5       2.32       93       5       77 - 127       0 - 30         1,3-Dichloropropane       mg/kg       2.5       2.17       87       8       77 - 121       0 - 30         1,4-Dichlorobenzene       mg/kg       2.5       2.34       94       5       74 - 123       0 - 30         2,2-Dichloropropane       mg/kg       2.5       2.25       90       5       74 - 129       0 - 30         2,2-Dichloropropane       mg/kg       2.5       2.34       94       18       47 - 142       0 - 30         2,2-Dichloropropane       mg/kg       2.5       2.34       94       18       47 - 142       0 - 30         2,-Butanone       mg/kg       2.5       2.34       94       18       47 - 134       0 - 30         2,-Chlorobluene       mg/kg       2.5       1.61       64       27       42 - 134       0 - 30         2,-Hexanone       mg/kg       2.5       2.33       93       5       75 - 132       0 - 30         4-Chlorobluene       mg/kg       2.5       2.32 <td>1,2-Dichloroethane</td> <td>mg/kg</td> <td>2.5 2.1</td> <td>6</td> <td>86</td> <td>8</td> <td></td> <td>68 - 126</td> <td>0 - 30</td>	1,2-Dichloroethane	mg/kg	2.5 2.1	6	86	8		68 - 126	0 - 30	
1,3-Dichlorobenzene         mg/kg         2.5         2.32         93         5         77         - 127         0         - 30           1,3-Dichloropropane         mg/kg         2.5         2.17         87         8         77         - 121         0         - 30           1,4-Dichlorobenzene         mg/kg         2.5         2.34         94         5         74         - 123         0         - 30           2,2-Dichloropropane         mg/kg         2.5         2.25         90         5         74         - 129         0         - 30           2-Butanone         mg/kg         2.5         2.34         94         18         47         - 142         0         - 30           2-Butanone         mg/kg         2.5         1.61         64         27         42         - 134         0         - 30           2-Chlorotoluene         mg/kg         2.5         2.33         93         5         75         - 132         0         - 30           2-Hexanone         mg/kg         2.5         2.33         93         5         74         - 137         0         - 30           2-Hexanone         mg/kg         2.5         2.32 <t< td=""><td>1,2-Dichloropropane</td><td>mg/kg</td><td>2.5 2.2</td><td>25</td><td>90</td><td>4</td><td></td><td>72 - 129</td><td>0 - 30</td></t<>	1,2-Dichloropropane	mg/kg	2.5 2.2	25	90	4		72 - 129	0 - 30	
1,3-Dichloropropane       mg/kg       2.5       2.17       87       8       77 - 121       0 - 30         1,4-Dichlorobenzene       mg/kg       2.5       2.34       94       5       74 - 123       0 - 30         2,2-Dichloropropane       mg/kg       2.5       2.25       90       5       74 - 129       0 - 30         2-Butanone       mg/kg       2.5       2.34       94       18       47 - 142       0 - 30         2-Chlorothylvinyl ether       mg/kg       2.5       1.61       64       27       42 - 134       0 - 30         2-Chlorotoluene       mg/kg       2.5       2.33       93       5       75 - 132       0 - 30         2-Hexanone       mg/kg       2.5       2.33       93       5       75 - 132       0 - 30         2-Hexanone       mg/kg       2.5       2.32       93       5       75 - 132       0 - 30         2-Hexanone       mg/kg       2.5       2.32       93       5       74 - 137       0 - 30         4-Chlorotoluene       mg/kg       2.5       2.32       93       5       74 - 133       0 - 30         4-Isopropyltoluene       mg/kg       2.5       2.3       92	1,3,5-Trimethylbenzene	mg/kg	2.5 2.3	32	93	4		74 - 136	0 - 30	
1,4-Dichlorobenzene mg/kg 2.5 2.34 94 5 74 - 123 0 - 30 2,2-Dichloropropane mg/kg 2.5 2.34 94 18 47 - 142 0 - 30 2-Dichloropropane mg/kg 2.5 2.34 94 18 47 - 142 0 - 30 2-Dichloropropane mg/kg 2.5 1.61 64 27 42 - 134 0 - 30 2-Dichloropropane mg/kg 2.5 2.33 93 5 75 - 132 0 - 30 2-Dichloropropane mg/kg 2.5 2.33 93 5 75 - 132 0 - 30 2-Dichloropropane mg/kg 2.5 2.33 93 5 75 - 132 0 - 30 2-Dichloropropane mg/kg 2.5 2.34 94 98 22 47 - 137 0 - 30 2-Dichloropropane mg/kg 2.5 2.32 93 5 74 - 133 0 - 30 4-Dichloropropane mg/kg 2.5 2.32 93 5 74 - 133 0 - 30 4-Dichloropropane mg/kg 2.5 2.3 92 4 71 - 136 0 - 30 4-Dichloropropane mg/kg 2.5 2.21 88 18 52 - 136 0 - 30 4-Dichloropropane mg/kg 2.5 2.49 100 13 38 - 152 0 - 30 Acrolein mg/kg 12.5 14.3 114 8 34 - 158 0 - 30 Acrolein mg/kg 12.5 11.7 94 10 49 - 142 0 - 30 Dichloropropane mg/kg 2.5 2.22 89 5 73 - 128 0 - 30 Dichloropropane mg/kg 2.5 2.32 93 5 73 - 128 0 - 30 Dichloropropane mg/kg 2.5 2.32 93 5 73 - 124 0 - 30 Dichloropropane mg/kg 2.5 2.32 93 5 73 - 124 0 - 30 Dichloropropane mg/kg 2.5 2.32 93 5 73 - 124 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Dichloropropane mg/kg 2	1,3-Dichlorobenzene	mg/kg 2	2.5 2.3	12	93	5		77 - 127	0 - 30	
2,2-Dichloropropane       mg/kg       2.5       2.25       90       5       74       - 129       0       - 30         2-Butanone       mg/kg       2.5       2.34       94       18       47       - 142       0       - 30         2-Chlorothyvinyl ether       mg/kg       2.5       1.61       64       27       42       - 134       0       - 30         2-Chlorotoluene       mg/kg       2.5       2.33       93       5       75       - 132       0       - 30         2-Hexanone       mg/kg       2.5       2.44       98       22       47       - 137       0       - 30         2-Hexanone       mg/kg       2.5       2.32       93       5       74       - 137       0       - 30         2-Hexanone       mg/kg       2.5       2.32       93       5       74       - 137       0       - 30         2-Hexanone       mg/kg       2.5       2.32       93       5       74       - 137       0       - 30         4-Chlorotoluene       mg/kg       2.5       2.32       93       5       74       - 133       0       - 30         4-Isopropyltoluene       mg/	1,3-Dichloropropane	mg/kg 2	2.5 2.1	7	87	8.		77 - 121	0 - 30	
2-Butanone mg/kg 2.5 2.34 94 18 47 - 142 0 - 30 2-Chloroethylvinyl ether mg/kg 2.5 1.61 64 27 42 - 134 0 - 30 2-Chlorotoluene mg/kg 2.5 2.33 93 5 75 - 132 0 - 30 2-Hexanone mg/kg 2.5 2.44 98 22 47 - 137 0 - 30 4-Chlorotoluene mg/kg 2.5 2.32 93 5 74 - 133 0 - 30 4-Chlorotoluene mg/kg 2.5 2.32 93 5 74 - 133 0 - 30 4-Isopropyltoluene mg/kg 2.5 2.3 92 4 71 - 136 0 - 30 4-Methyl-2-pentanone mg/kg 2.5 2.21 88 18 52 - 136 0 - 30 4-Methyl-2-pentanone mg/kg 2.5 2.49 100 13 38 - 152 0 - 30 Acrolein mg/kg 12.5 14.3 114 8 34 - 158 0 - 30 Acrylonitrile mg/kg 12.5 11.7 94 10 49 - 142 0 - 30 Benzene mg/kg 2.5 2.22 89 5 73 - 128 0 - 30 Bromobenzene mg/kg 2.5 2.32 93 5 73 - 128 0 - 30 Bromobenzene mg/kg 2.5 2.32 93 5 73 - 124 0 - 30 Bromodichloromethane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Bromoform mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Bromomethane mg/kg 2.5 2.17 87 5 48 - 139 0 - 30	1,4-Dichlorobenzene	mg/kg	2.5 2.3	14	94	5		74 - 123	0 - 30	
2-Chloroethylvinyl ether   mg/kg   2.5   1.61   64   27   42 - 134   0 - 30   2-Chlorotoluene   mg/kg   2.5   2.33   93   5   75 - 132   0 - 30   2-Hexanone   mg/kg   2.5   2.44   98   22   47 - 137   0 - 30   4-Chlorotoluene   mg/kg   2.5   2.32   93   5   74 - 133   0 - 30   4-Chlorotoluene   mg/kg   2.5   2.32   93   5   74 - 133   0 - 30   4-Isopropyltoluene   mg/kg   2.5   2.3   92   4   71 - 136   0 - 30   4-Methyl-2-pentanone   mg/kg   2.5   2.21   88   18   52 - 136   0 - 30   Acetone   mg/kg   2.5   2.49   100   13   38 - 152   0 - 30   Acrolein   mg/kg   12.5   14.3   114   8   34 - 158   0 - 30   Acrylonitrile   mg/kg   12.5   11.7   94   10   49 - 142   0 - 30   Benzene   mg/kg   2.5   2.32   93   5   73 - 128   0 - 30   Bromobenzene   mg/kg   2.5   2.32   93   5   73 - 124   0 - 30   Bromodichloromethane   mg/kg   2.5   2.33   93   14   67 - 122   0 - 30   Bromoform   mg/kg   2.5   2.37   87   5   48 - 139   0 - 30	2,2-Dichloropropane	mg/kg	2.5 2.2	25	90	5		74 - 129	0 - 30	
2-Chlorotoluene mg/kg 2.5 2.33 93 5 75 - 132 0 - 30 2-Hexanone mg/kg 2.5 2.44 98 22 47 - 137 0 - 30 4-Chlorotoluene mg/kg 2.5 2.32 93 5 74 - 133 0 - 30 4-Isopropyltoluene mg/kg 2.5 2.3 92 4 71 - 136 0 - 30 4-Methyl-2-pentanone mg/kg 2.5 2.21 88 18 52 - 136 0 - 30 Acetone mg/kg 2.5 2.49 100 13 38 - 152 0 - 30 Acrolein mg/kg 12.5 14.3 114 8 34 - 158 0 - 30 Acrylonitrile mg/kg 12.5 11.7 94 10 49 - 142 0 - 30 Benzene mg/kg 2.5 2.32 93 5 73 - 128 0 - 30 Bromobenzene mg/kg 2.5 2.32 93 5 73 - 128 0 - 30 Bromodichloromethane mg/kg 2.5 2.33 89 6 74 - 126 0 - 30 Bromoform mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Bromomethane mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Bromomethane mg/kg 2.5 2.17 87 5 48 - 139 0 - 30	2-Butanone	mg/kg	2.5 2.3	34	94	18		47 - 142	0 - 30	
2-Hexanone mg/kg 2.5 2.44 98 22 47 - 137 0 - 30 4-Chlorotoluene mg/kg 2.5 2.32 93 5 74 - 133 0 - 30 4-Isopropyltoluene mg/kg 2.5 2.3 92 4 71 - 136 0 - 30 4-Methyl-2-pentanone mg/kg 2.5 2.21 88 18 52 - 136 0 - 30 Acetone mg/kg 2.5 2.49 100 13 38 - 152 0 - 30 Acrolein mg/kg 12.5 14.3 114 8 34 - 158 0 - 30 Acrylonitrile mg/kg 12.5 11.7 94 10 49 - 142 0 - 30 Benzene mg/kg 2.5 2.22 89 5 73 - 128 0 - 30 Bromobenzene mg/kg 2.5 2.32 93 5 73 - 128 0 - 30 Bromodichloromethane mg/kg 2.5 2.23 89 6 74 - 126 0 - 30 Bromoform mg/kg 2.5 2.33 93 14 67 - 122 0 - 30 Bromomethane mg/kg 2.5 2.31 87 5 48 - 139 0 - 30	2-Chloroethylvinyl ether ;	mg/kg	2.5 1.6	51	64	27		42 - 134	0 - 30	
4-Chlorotoluene       mg/kg       2.5       2.32       93       5       74 - 133       0 - 30         4-Isopropyltoluene       mg/kg       2.5       2.3       92       4       71 - 136       0 - 30         4-Methyl-2-pentanone       mg/kg       2.5       2.21       88       18       52 - 136       0 - 30         Acetone       mg/kg       2.5       2.49       100       13       38 - 152       0 - 30         Acrolein       mg/kg       12.5       14.3       114       8       34 - 158       0 - 30         Acrylonitrile       mg/kg       12.5       11.7       94       10       49 - 142       0 - 30         Benzene       mg/kg       2.5       2.22       89       5       73 - 128       0 - 30         Bromobenzene       mg/kg       2.5       2.32       93       5       73 - 124       0 - 30         Bromoform       mg/kg       2.5       2.23       89       6       74 - 126       0 - 30         Bromomethane       mg/kg       2.5       2.33       93       14       67 - 122       0 - 30	2-Chlorotoluene	mg/kg	2.5 2.3	33	93	. 5		75 - 132´	0 - 30	
4-Isopropyltoluene       mg/kg       2.5       2.3       92       4       71 - 136       0 - 30         4-Methyl-2-pentanone       mg/kg       2.5       2.21       88       18       52 - 136       0 - 30         Acetone       mg/kg       2.5       2.49       100       13       38 - 152       0 - 30         Acrolein       mg/kg       12.5       14.3       114       8       34 - 158       0 - 30         Acrylonitrile       mg/kg       12.5       11.7       94       10       49 - 142       0 - 30         Benzene       mg/kg       2.5       2.22       89       5       73 - 128       0 - 30         Bromobenzene       mg/kg       2.5       2.32       93       5       73 - 124       0 - 30         Bromodichloromethane       mg/kg       2.5       2.23       89       6       74 - 126       0 - 30         Bromoform       mg/kg       2.5       2.33       93       14       67 - 122       0 - 30         Bromomethane       mg/kg       2.5       2.17       87       5       48 - 139       0 - 30	2-Hexanone	mg/kg	2.5 2.4	4	98	22		47 - 137	0 - 30	
4-Methyl-2-pentanone         mg/kg         2.5         2.21         88         18         52         - 136         0         - 30           Acetone         mg/kg         2.5         2.49         100         13         38         - 152         0         - 30           Acrolein         mg/kg         12.5         14.3         114         8         34         - 158         0         - 30           Acrylonitrile         mg/kg         12.5         11.7         94         10         49         - 142         0         - 30           Benzene         mg/kg         2.5         2.22         89         5         73         - 128         0         - 30           Bromobenzene         mg/kg         2.5         2.32         93         5         73         - 124         0         - 30           Bromodichloromethane         mg/kg         2.5         2.23         89         6         74         - 126         0         - 30           Bromoform         mg/kg         2.5         2.33         93         14         67         - 122         0         - 30           Bromomethane         mg/kg         2.5         2.17         87	4-Chlorotoluene	mg/kg	2.5 2.3	32	93	5		74 - 133	0 - 30	
Acetone       mg/kg       2.5       2.49       100       13       38 - 152       0 - 30         Acrolein       mg/kg       12.5       14.3       114       8       34 - 158       0 - 30         Acrylonitrile       mg/kg       12.5       11.7       94       10       49 - 142       0 - 30         Benzene       mg/kg       2.5       2.22       89       5       73 - 128       0 - 30         Bromobenzene       mg/kg       2.5       2.32       93       5       73 - 124       0 - 30         Bromodichloromethane       mg/kg       2.5       2.23       89       6       74 - 126       0 - 30         Bromoform       mg/kg       2.5       2.33       93       14       67 - 122       0 - 30         Bromomethane       mg/kg       2.5       2.17       87       5       48 - 139       0 - 30	4-Isopropyltoluene	mg/kg	2.5 2.	3	92	4 ,		71 - 136	0 - 30	
Acrolein         mg/kg         12.5         14.3         114         8         34 - 158 0 - 30           Acrylonitrile         mg/kg         12.5         11.7         94         10         49 - 142 0 - 30           Benzene         mg/kg         2.5         2.22         89         5         73 - 128 0 - 30           Bromobenzene         mg/kg         2.5         2.32         93         5         73 - 124 0 - 30           Bromodichloromethane         mg/kg         2.5         2.23         89         6         74 - 126 0 - 30           Bromoform         mg/kg         2.5         2.33         93         14         67 - 122 0 - 30           Bromomethane         mg/kg         2.5         2.17         87         5         48 - 139 0 - 30	4-Methyl-2-pentanone	mg/kg 2	2.5 2.2	1	88	18		52 - 136	0 - 30	
Acrylonitrile         mg/kg         12.5         11.7         94         10         49 - 142 0 - 30           Benzene         mg/kg         2.5         2.22         89         5         73 - 128 0 - 30           Bromobenzene         mg/kg         2.5         2.32         93         5         73 - 124 0 - 30           Bromodichloromethane         mg/kg         2.5         2.23         89         6         74 - 126 0 - 30           Bromoform         mg/kg         2.5         2.33         93         14         67 - 122 0 - 30           Bromomethane         mg/kg         2.5         2.17         87         5         48 - 139 0 - 30	Acetone	mg/kg	2.5 2.4	9	00	13		38 - 152	0 - 30	
Benzene         mg/kg         2.5         2.22         89         5         73 - 128         0 - 30           Bromobenzene         mg/kg         2.5         2.32         93         5         73 - 124         0 - 30           Bromodichloromethane         mg/kg         2.5         2.23         89         6         74 - 126         0 - 30           Bromoform         mg/kg         2.5         2.33         93         14         67 - 122         0 - 30           Bromomethane         mg/kg         2.5         2.17         87         5         48 - 139         0 - 30		mg/kg 1	2.5 14.	.3	114	8		34 - 158	0 - 30	
Bromobenzene         mg/kg         2.5         2.32         93         5         73 - 124         0 - 30           Bromodichloromethane         mg/kg         2.5         2.23         89         6         74 - 126         0 - 30           Bromoform         mg/kg         2.5         2.33         93         14         67 - 122         0 - 30           Bromomethane         mg/kg         2.5         2.17         87         5         48 - 139         0 - 30	Acrylonitrile	mg/kg 1	2.5 11.	.7	94	10		49 - 142	0 - 30	
Bromodichloromethane         mg/kg         2.5         2.23         89         6         74 - 126         0 - 30           Bromoform         mg/kg         2.5         2.33         93         14         67 - 122         0 - 30           Bromomethane         mg/kg         2.5         2.17         87         5         48 - 139         0 - 30	Benzene	mg/kg 2	2.5 2.2	2	89	5		73 - 128	0 - 30	
Bromoform         mg/kg         2.5         2.33         93         14         67 - 122         0 - 30           Bromomethane         mg/kg         2.5         2.17         87         5         48 - 139         0 - 30	Bromobenzene	mg/kg	2.5 2.3	52	93	5		73 - 124	0 - 30	
Bromomethane mg/kg 2.5 2.17 87 5 48 - 139 0 - 30	Bromodichloromethane	mg/kg	2.5 2.2	:3	89	6		74 - 126	0 - 30	
	Bromoform	mg/kg 2	2.5 2.3	3	93	14		67 - 122	0 - 30	
Carbon disulfide mg/kg 2.5 2.21 88 3 68 - 133 0 - 30	Bromomethane	mg/kg 2	2.5 2.1	7	87	5		48 - 139	0 - 30	
	Carbon disulfide	mg/kg 2	2.5 2.2	1	88	3		68 - 133	0 - 30	

FORM III VOA-2

# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 74 outside limits

Spike Recovery: 0 out of 148 outside limits

Lab Name: GCAL						*
Lab Code: LA024	Case No.	:		SAS No.:	,,	SDG No.: 211011405
Contract:				Method: SW-8	46 8260	
Analytical Batch: 449013						
Carbon tetrachloride	mg/kg	2.5	2.24	90	5	71 - 133 0 - 30
Chlorobenzene	mg/kg	2.5	2.31	92	5	75 - 121 .0 - 30
Chloroethane	mg/kg	2.5	2.21	88	6	57 - 144 0 - 30
Chloroform	mg/kg	2.5	2.23	89	, 6	74 - 124 0 - 30
Chloromethane	mg/kg	2.5	2.14	86	4	61 - 130 0 - 30
Cyclohexane	mg/kg	2.5	2.3	92	5	70 - 136 0 - 30
Dibromochloromethane	mg/kg	2.5	2.22	89	9	74 - 122 0 - 30
Dibromomethane	mg/kg	2.5	2.14	86	8	72 - 125 0 - 30
Dichlorodifluoromethane	mg/kg	2.5	2.13	85	4	59 - 138 0 - 30
Ethylbenzene	mg/kg	2.5	2.26	90	5	74 - 130 0 - 30
Hexachlorobutadiene	mg/kg	2.5	2.33	93	3	71 - 140 0 - 30
Isopropylbenzene (Cumene)	mg/kg	2.5	2.26	90	. 6	74 - 125 0 - 30
Methyl Acetate	mg/kg	2.5	2.13	85	19	49 - 138 0 - 30
Methyl iodide	mg/kg	2.5	2.29	92	3	54 - 140 0 - 30
Methylcyclohexane	mg/kg	2.5	2.26	90 .	5	70 - 142 0 - 30
Methylene chloride	mg/kg	2.5	2.1	84	5	66 - 130 0 - 30
Naphthalene	mg/kg	2.5	2.13	85	19	54 - 132 0 - 30
Styrene	mg/kg	2.5	2.35	94	7	72 - 128 0 - 30
Tetrachloroethene	mg/kg	2.5	2.24	90	5	70 - 127 0 - 30
Toluene	mg/kg	2.5	2.31	92	5	74 - 121 0 - 30
Trichloroethene	mg/kg	2.5	2.2	88	4	78 - 127 0 - 30
Trichlorofluoromethane	mg/kg	2.5	2.25	90	3	64 - 141 0 - 30
Trichlorotrifluoroethane	mg/kg	2.5	2.27	91	4	66 - 139 0 - 30
Vinyl acetate	mg/kg	2.5	2.49	100	8	53 - 140 0 - 30
Vinyl chloride	mg/kg	2.5	2.13	85	7	67 - 131 0 - 30
Xylene (total)	mg/kg	7.5	6.84	91	5	71 - 129 0 - 30
cis-1,2-Dichloroethene	mg/kg	2.5	2.2	88	6	72 - 130 0 - 30
cis-1,3-Dichloropropene	mg/kg	2.5	2.25	90	6	72 - 129 0 - 30
m,p-Xylene	mg/kg	5	4.59	92	4	72 - 128 0 - 30
n-Butylbenzene	mg/kg	2.5	2.31	92	4	68 - 144 0 - 30
n-Propylbenzene	mg/kg	2.5	2.34	94	4	73 - 137 0 - 30
o-Xylene	mg/kg	2.5	2.25	90	6	69 - 133 0 - 30
sec-Butylbenzene	mg/kg	2.5	2.32	93	5	72 - 141 0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	2.17	87	9	69 - 126 0 - 30
tert-Butylbenzene	mg/kg	2.5	2.32	93	3	72 - 136 0 - 30
trans-1,2-Dichloroethene	mg/kg	2.5	2.22	89	3	67 - 134 0 - 30
trans-1,3-Dichloropropene	mg/kg	2.5	2.25	90	7	72 - 126 0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	2.5	2.33	93	17	44 - 146 0 - 30

	# Column to be used to flag recovery and RPD values with an asterisk * Values outside of QC limits									
RPD :	0	_out of	74	out:	side lim	its				
Spike R	ecove	ery: 0	· oı	ut of	148	outside limits				

Lab Name: GCAL						
Lab Code: LA024	Case N	lo.:	SAS	No.:	SDG No	o.: 211011405
Contract:			Meth	od: SW-846 8260		
Analytical Batch: 449157						•
SAMPLE NO: 913706		•				•
	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	# QC. LIMITS
1,1,1,2-Tetrachloroethane	mg/kg	2.5	0	2.44	98	77 122
1,1,1-Trichloroethane	mg/kg	2.5	0	2.62	105	70 - 130
1,1,2,2-Tetrachloroethane	mg/kg	2.5	0	2.54	102	66 - 129
1,1,2-Trichloroethane	mg/kg	2.5	0	2.6	104	74 - 120
1,1-Dichloroethane	mg/kg	2.5	0	2.74	110	71 - 126
1,1-Dichloroethene	mg/kg	2.5	. 0	2.67	107	68 - 129
1,1-Dichloropropene	mg/kg	2.5	0	2.65	106	70 - 138
1,2,3-Trichloropropane	mg/kg	2.5	. 0	2.58	103	63 - 132
1,2,4-Trichlorobenzene	mg/kg	2.5	. 0	2.8	112	64 - 135
1,2,4-Trimethylbenzene	mg/kg	2.5	0	2.65	106	75 - 130
1,2-Dibromo-3-chloropropane	mg/kg	2.5	0	2.73	109	60 - 123
1,2-Dibromoethane	mg/kg	2.5	0	2.68	.107	74 - 122
1,2-Dichlorobenzene	mg/kg	2.5	0	2.61	104	. 76 - 125
1,2-Dichloroethane	mg/kg	2.5	0	2.66	106	68 - 126
1,2-Dichloropropane	mg/kg	2.5	0	2.72	109	72 - 129
1,3,5-Trimethylbenzene	mg/kg	2.5	0	2.7	108	74 - 136
1,3-Dichlorobenzene	mg/kg	2.5	0	2.57	103	77 - 127
1,3-Dichloropropane	mg/kg	2.5	0	2.56	102	77 - 121
1,4-Dichlorobenzene	mg/kg	2.5	0	2.53	101	74 - 123
2,2-Dichloropropane	mg/kg	2.5	0	2.67	107	74 - 129
2-Butanone	mg/kg	2.5	0	2.8	112	47 - 142
2-Chloroethylvinyl ether	mg/kg	2.5	0	2.47	99	42 - 134
2-Chlorotoluene	mg/kg	2.5	0	2.55	102	75 - 132
2-Hexanone	mg/kg	2.5	0	2.75	110	47 - 137
4-Chlorotoluene	mg/kg	2.5	0	2.61	104	74 - 133
4-Isopropyltoluene	mg/kg	2.5	0	2.76	110	71 - 136
4-Methyl-2-pentanone	mg/kg	2.5	0	2.82	113	52 - 136
Acetone	mg/kg	2.5	0	2.58	103	38 - 152
Acrolein	mg/kg	12.5	0	11.6	.93	34 - 158
Acrylonitrile	mg/kg	12.5	0	12.8	102	49 - 142
Benzene	mg/kg	2.5	0	2.56	102	73 - 128
Bromobenzene	mg/kg	2.5	0	2.41	96	73 - 124
Bromodichloromethane	mg/kg	2.5	. 0	2.71	108	74 - 126
Bromoform	mg/kg	2.5	0	2.75	110	67 - 122
Bromomethane	mg/kg	2.5	0	2.53	101	48 - 139
Carbon disulfide	mg/kg	2.5	0	2.85	114	68 - 133

# Column to be used to flag recovery and RPD values with an asterisk

RPD	:	0	out	of _	 4	·····	outs	ide	limits	

* Values outside of QC limits

Spike Recovery: 0 out of 148 outside limits

Lab Name: GCAL						
Lab Code: LA024	Case N	o.:`	SAS	No.:	SDG No	o.: 211011405
Contract:	·····		Metho	od: SW-846 8260		
Analytical Batch: 449157						
Carbon tetrachloride	mg/kg	2.5	0	2.83	113	71 - 133
Chlorobenzene	mg/kg	2.5	0	2.5	100	75 - 121
Chloroethane	mg/kg	2.5	0	2.83	113	57 - 144
Chloroform	mg/kg	2.5	0	2.67	107	74 - 124
Chloromethane	mg/kg	2.5	0	2.66	106	61 - 130
Cyclohexane	mg/kg	2.5	0 -	2.74	110	70 - 136
Dibromochloromethane	mg/kg	2.5	0	2.65	106	74 - 122
Dibromomethane	mg/kg	2.5	0	2.69	108	72 - 125
Dichlorodifluoromethane	mg/kg	2.5	0	2.83	113	59 - 138
Ethylbenzene	mg/kg	2.5	0	2.47	99	74 - 130
Hexachlorobutadiene	mg/kg	2.5	0	2.89	116	71 - 140
Isopropylbenzene (Cumene)	mg/kg	2.5	0	2.72	109	74 - 125
Methyl Acetate	mg/kg	2.5	0	2.78	111	49 - 138
Methyl iodide	mg/kg	2.5	0	2.18	87	54 - 140
Methylcyclohexane	mg/kg	2.5	0	2.91	116	70 - 142
Methylene chloride	mg/kg	2.5	. 0	2.57	103	66 - 130
Naphthalene	mg/kg	2.5	0	2.9	116	54 - 132
Styrene	mg/kg	2.5	0	2.65	106	72 - 128
Tetrachloroethene	mg/kg	2.5	0.	2.61	104	70 - 127
Toluene	mg/kg	2.5	0	2.48	99	74 - 121
Trichloroethene	mg/kg	2.5	0	2.59	104	78 - 127
Trichlorofluoromethane	mg/kg	2.5	0	2.73	109	64 - 141
Trichlorotrifluoroethane	mg/kg	2.5	0	2.79	112	66 - 139
Vinyl acetate	mg/kg	2.5	0	1.84	74	53 - 140
Vinyl chloride	mg/kg	2.5	0	2.67	107	67 - 131
Xylene (total)	mg/kg	7.5	0	7.71	· 103	71 - 129
cis-1,2-Dichloroethene	mg/kg	2.5	0.	2.7	108	. 72 - 130
cis-1,3-Dichloropropene	mg/kg	2.5	0	2.81	112	72 - 129
m,p-Xylene	mg/kg	5	0 .	5.11	102	72 - 128
n-Butylbenzene	mg/kg	2.5	0	2.88	115	68 - 144
n-Propylbenzene	mg/kg	2.5	0	2.6	104	73 - 137
o-Xylene	mg/kg	2.5	0	2.6	104	69 - 133
sec-Butylbenzene	mg/kg	2.5	0	2.73	109	72 - 141
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	0	2.66	106	69 - 126
tert-Butylbenzene	mg/kg	2.5	0,	2.63	105	72 - 136
trans-1,2-Dichloroethene	mg/kg	2.5	0	2.65	106	67 - 134
trans-1,3-Dichloropropene	mg/kg	2.5	0	2.75	110	72 - 126
trans-1,4-Dichloro-2-butene	mg/kg	2.5	0	2.58	103	44 - 146

RPD:	0	out	of	74		outsi	de	limits	3	
Spike Re	cover	y:		0	out	of	14	8	outside	limits

^{*} Values outside of QC limits

Lab Name: GCAL									
Lab Code: LA024	Case No	.:		SAS No.:			SDG	No.: 211011	405
Contract:			<u> </u>	Method: SW-8	346 82	60			
Analytical Batch: 449157			•						
SAMPLE NO : 913707								·	,
COMPOUND	UNITS	SPIKE ADDED	LCSD CON	C. % REC	#	% RPD	#	QC. REC	LIMITS RPD
1,1,1,2-Tetrachloroethane	mg/kg	2.5	2.33	93		5		77 - 122	0 - 30
1,1,1-Trichloroethane	mg/kg	2.5	2.62	105		0	$\Box$	70 - 130	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.37	95	$\sqcap$	7		66 - 129	0 - 30
1,1,2-Trichloroethane	mg/kg.	2.5	2.49	100		4		74 - 120	0 - 30
1,1-Dichloroethane	mg/kg	2.5	2.65	106		3		71 - 126	0 - 30
1,1-Dichloroethene	mg/kg	2.5	2.6	104		3	1	68 - 129	0 - 30
1,1-Dichloropropene	mg/kg	2.5	2.54	102		; 4	1	70 - 138	0 - 30
1,2,3-Trichloropropane	mg/kg	2.5	2.35	94		9		63 - 132	0 - 30
1,2,4-Trichlorobenzene	mg/kg	2.5	2.52	101		11	1 1	64 - 135	0 - 30
1,2,4-Trimethylbenzene	mg/kg	2.5	2.41	96		9		75 - 130	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.54	102		7		60 - 123	0 - 30
1,2-Dibromoethane	mg/kg	2.5	2.53	101		6	1 1	74 - 122	0 - 30
1,2-Dichlorobenzene	mg/kg	2.5	2.36	94		10		76 - 125	0 - 30
1,2-Dichloroethane	mg/kg	2.5	2.49	100		7		68 - 126	0 - 30
1,2-Dichloropropane	mg/kg	2.5	2.64	106		3	$\Box$	72 - 129	0 - 30
1,3,5-Trimethylbenzene	mg/kg	2.5	2.45	98		10		74 - 136	0 - 30
1,3-Dichlorobenzene	mg/kg	2.5	2.35	94		9		77 - 127	0 - 30
1,3-Dichloropropane	mg/kg	2.5	2.45	98		4		77 - 121	0 - 30
1,4-Dichlorobenzene	mg/kg	2.5	2.33	. 93		. 8		74 - 123	0 - 30
2,2-Dichloropropane	mg/kg	2.5	2.65	106		.8 .		74 - 129	0 - 30
2-Butanone	mg/kg	2.5	2.53	101		10		47 - 142	0 - 30
2-Chloroethylvinyl ether	mg/kg	2.5	2.81	112		13		42 - 134	0 - 30
2-Chlorotoluene	mg/kg	2.5	2.37	95		7		75 - 132	0 - 30 .
2-Hexanone	mg/kg	2.5	2.67	107		3	$\sqcap$	47 - 137	0 - 30
4-Chlorotoluene	mg/kg	2.5	2.38	95		9		74 - 133	0 - 30
4-Isopropyltoluene	mg/kg	2.5	2.44	. 98		12		71 - 136	0 - 30
4-Methyl-2-pentanone	mg/kg	2.5	2.77	111		2		52 - 136	0 - 30
Acetone	mg/kg	2.5	2.67	107		3	T	38 - 152	0 - 30
Acrolein	mg/kg	12.5	11.6	93		0		34 - 158	0 - 30
Acrylonitrile	mg/kg	12.5	12.7	102		.8		49 - 142	0 - 30
Benzene	mg/kg	2.5	2.52	101		2		73 - 128	.0 - 30
Bromobenzene	mg/kg	2.5	2.23	89		8		73 - 124	0 - 30
Bromodichloromethane	mg/kg	2.5	2.68	107		1		74 - 126	0 - 30
Bromoform	mg/kg	2.5	2.6	104		6		67 - 122	0 - 30
Bromomethane	mg/kg	2.5	2.51	100		.8	$\Box$	48 - 139	0 - 30
Carbon disulfide	mg/kg	2.5	.2.75	110		4	1	68 - 133	0 - 30

RPD :	0	out of	74		utside	limits	;	
Spike Re	cover	y:	0	out c	f14	48 (	outside	limits

[#] Column to be used to flag recovery and RPD values with an asterisk

^{*} Values outside of QC limits

Lab Name: GCAL							
Lab Code: LA024	Case No.	:		SAS No.:		SDG No.:	211011405
Contract:				Method: SW-8	46 8260		
Analytical Batch: 449157					1		
Carbon tetrachloride	mg/kg	2.5	2.74	110	3	71	- 133 0 - 30
Chlorobenzene	mg/kg	2.5	2.45	98	2	75	- 121 0 - 30
Chloroethane	mg/kg	2.5	2.8	112	1	57	- 144 0 - 30
Chloroform	mg/kg	2.5	2.62	105	2	74	- 124 0 - 30
Chloromethane	mg/kg	2.5	2.88	115	. 8	61	- 130 0 - 30
Cyclohexane	mg/kg	2.5	2.54	102	8	70	- 136 0 - 30
Dibromochloromethane	mg/kg	2.5	2.65	. 106	0	74	- 122 0 - 30
Dibromomethane	mg/kg	2.5	2.51	100	7	72	- 125 0 - 30
Dichlorodifluoromethane	mg/kg	2.5	3.04	122	7	59	- 138 0 - 30
Ethylbenzene	mg/kg	2.5	2.43	97	2	74	- 130 0 - 30
Hexachlorobutadiene	mg/kg	2.5	2.42	97	18	71	- 140 0 - 30
Isopropylbenzene (Cumene)	mg/kg	2.5	2.59	104	₇ 5	74	- 125 0 - 30
Methyl Acetate	mg/kg	2.5	2.89	116	. 4	49	- 138 0 - 30
Methyl iodide	mg/kg	2.5	2.18	87	0	- 54	- 140 0 - 30
Methylcyclohexane	mg/kg	2.5	2.76	110	5	70	- 142 0 - 30
Methylene chloride	mg/kg	2.5	2.48	99	i 4	66	- 130 0 - 30
Naphthalene	mg/kg	2.5	2.73	109	- 6	54	- 132 0 - 30
Styrene	mg/kg	2.5	2.65	106	. 0	72	- 128 0 - 30
Tetrachloroethene	mg/kg	2.5	2.48	99	, 5	70	- 127 0 - 30
Toluene	mg/kg	2.5	2.47	99	.4	74	- 121 0 - 30
Trichloroethene	mg/kg	2.5	2.59	104	, 0	78	- 127 0 - 30
Trichlorofluoromethane	mg/kg	2.5	2.7	108	į 1	64	- 141 0 - 30
Trichlorotrifluoroethane	mg/kg	2.5	2.67	107	4	66	- 139 0 - 30
Vinyl acetate	mg/kg	2.5	1.61	64	13	53	- 140 0 - 30
Vinyl chloride	mg/kg	2.5	2.89	116	8	67	- 131 0 - 30
Xylene (total)	mg/kg	7.5	7.6	101	1	71	- 129 0 - 30
cis-1,2-Dichloroethene	mg/kg	2.5	2.58	103	5	72	- 130 0 - 30
cis-1,3-Dichloropropene	mg/kg	2.5	2.63	105	7	72	- 129 0 - 30
m,p-Xylene	mg/kg	5	5.1	102	↓ .2	72	- 128 0 - 30
n-Butylbenzene	mg/kg	2.5	2.55	102	12	68	- 144 0 - 30
n-Propylbenzene	mg/kg	2.5	2.34	94	11	73	- 137 0 - 30
o-Xylene	mg/kg	2.5	2.5	100	4	69	- 133 0 - 30
sec-Butylbenzene	mg/kg	2.5	2.39	96	13	72	- 141 0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	2.61	104	2	69	- 126 0 - 30
tert-Butylbenzene	mg/kg	2.5	2.36	94	11	72	- 136 0 - 30
trans-1,2-Dichloroethene	mg/kg	2.5	2.64	106	4	67	- 134 0 - 30
trans-1,3-Dichloropropene	mg/kg	2.5	2.5	. 100	10	72	- 126 0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	2.5	2.21	88	15	44	- 146 0 - 30

# Column to be used to flag recovery	and F	RPD	values	with	an	asterisk
* Values outside of QC limits						

RPD: 0	out of	f	74	outsi	de lin	nits
Spike Recov	егу:	0	out	of	148	outside limits

# VOLATILE METHOD BLANK SUMMARY

SA	MPLE	NO.	
 	MB91	3048	

				<u> </u>			
Lab Name:	GCAL		Contract:				
Lab Code:	LA024	Case No.:	SAS No.:		SDG No.:	211011405	
Lab File ID:	2110116/a8963		Lab Sample ID:	913048	Date Ex	tracted:	
GC Column:	RTX-VMS-30	ID: <u>.25</u> (mm	Date Analyzed:	01/16/11	Time:	1033	
Instrument II Level: LOV		Matrix: Water	Heated Purge:	N			•
Prep Batch:		Analytical Batch: 449012	1				

## THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS913049	913049	2110116/a8960L	01/16/11	0923
2.	LCSD913050	913050	2110116/a8961	01/16/11	0946
3.	EQUIPMENT BLANK	21101140514	2110116/a8966	01/16/11	.1142
4.	TRIP BLANK 1	21101140515	2110116/a8967	01/16/11	1205
5.	TRIP BLANK 2	21101140516	2110116/a8968	01/16/11	1228

# VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.	
 MB913051	

					į		
Lab Name:	GCAL			Contract:			
Lab Code: L	A024	Case No.:		SAS No.:	·	SDG No.: 211	011405
Lab File ID:	2110116/a8964			Lab Sample ID:	913051	Date Extracte	d:
GC Column:	RTX-VMS-30	ID: <u>.25</u>	(mm	Date Analyzed:	01/16/11	Time: 1055	
Instrument ID: Level: LOW		Matrix: Solid		Heated Purge:	Υ		
Prep Batch:		Analytical Batch	n: 449013				

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALTZED	ANALTZED
1.	LCS913052	913052	2110116/a8960s	01/16/11	0923
2.	LCSD913053	913053	2110116/a8961s	01/16/11	0946
3.	T-15-F	21101140501	2110116/a8965	01/16/11	1118
4.	T-15-F MS	21101140502	2110116/a8972	01/16/11	1401
5.	T-15-F MSD	21101140503	2110116/a8973	01/16/11	1425
<b>6</b> .	T-21-F	21101140504	2110116/a8977	01/16/11	1603
7.	NC-0-0.3	21101140505	2110116/a8978	01/16/11	1627
8.	T-6-NORTH	21101140510	2110116/a8979	01/16/11	1651
9.	SC-W	21101140512	2110116/a8980	01/16/11	1715
10.	SC-E	21101140513	2110116/a8981	01/16/11	1739
11.	T-6-FLOOR	21101140507	2110116/a8982	01/16/11	1809
12.	T-6-EAST	21101140508	2110116/a8984	01/16/11	1857
13 .	T-6-SOUTH	21101140509	2110116/a8985	01/16/11	1922
14.	BLIND DUP	21101140511	2110116/a8986	01/16/11	1946

# VOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024

Instrument ID:

Level: LOW Prep Batch:

Lab File ID: 2110118p/k9909

MSV5

GC Column: RTX-VMS-30

Case No.:

ID: <u>.25</u>

Matrix: Solid

Analytical Batch: 449157

BLANK SUMMARY	SAMPLE NO.				
BLANK SOMMAK	MB913705				
Contract:	*				
SAS No.:	SDG No.: 211011405				
Lab Sample ID: 913705	Date Extracted:				
Date Analyzed: 01/18/11	Time: 1455				
Heated Purge: Y					

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS913706	913706	2110118p/k9905	01/18/11	1319
2.	LCSD913707	913707	2110118p/k9906	01/18/11	1342
3.	T-2-WEST	21101140506	2110118p/k9911	01/18/11	1541

### 5A

# VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL	Contract:
Lab Code: LA024 Case No.:	SAS No.: SDG No.: 211011405
Lab File ID: 2110114/a8912B	BFB Injection Date: 01/14/11
Instrument ID: MSV11	BFB Injection Time: 0948
GC Column: RTX-VMS-30 ID: 25 (mm	
Analytical Batch: 448996	

m/e	ION ABUNDANCE CRITERIA		Relai unda	tive ance		
50 l	15.0 - 40.0% of mass 95	19.72	(		)	
75	30.0 - 60.0% of mass 95	48.91	(		)	
95	Base Peak, 100% relative abundance	100	(		)	
96	5.0 -9.0% of mass 95	6.73	Į (		)	
173	Less than 2.0% of mass 174	.24	\.(	.29	)	1
174	50.0 - 120.0% of mass 95	85.86	į (		)	
175	5.0 - 9.0% of mass 174	6.7	(	7.81	)	1
176	95.0 - 101.0% of mass 174	82.19	į <b>(</b>	95.73	)	1
177	5.0 - 9.0% of mass 176	5.39	e (	6.56	)	2

¹⁻ Value is % mass 174

2- Value is % mass 176

	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1 V11STD001PPB	1208	2110114/a8914	01/14/11	1109
2. V11STD005PPB	1201	2110114/a8915	01/14/11	1141
3. V11STD010PPB	1206	2110114/a8916	; 01/14/11	1209
4. V11STD020PPB	1202	2110114/a8917	01/14/11	1241
5. V11STD050PPB	1203	2110114/a8918	01/14/11	1315
6. V11STD100PPB	1204	2110114/a8919	01/14/11	1348
7 V11STD200PPB	1205	2110114/a8920	01/14/11	1428
8. V11ICV	1600	2110114/a8922	01/14/11	1530

# 5A VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL	Contract:
Lab Code: LA024 Case No.:	SAS No.: SDG No.: 211011405
Lab File ID: 2110115/a8930B	BFB Injection Date: 01/15/11
Instrument ID: MSV11	BFB Injection Time: 0816
GC Column: RTX-VMS-30 ID: .25 (mm	•
Analytical Batch: 449014	

m/e	ION ABUNDANCE CRITERIA		Relat unda	tive ance			
50 l	15.0 - 40.0% of mass 95	21.8	(		)		
75	30.0 - 60.0% of mass 95	48.58	(		).		_
95	Base Peak, 100% relative abundance	100	(		)		=
96	5.0 -9.0% of mass 95	6.81	(		)		_
173	Less than 2.0% of mass 174	.49	(	.56	)	1	=
174	50.0 - 120.0% of mass 95	88.74	(		)		_
175	5.0 - 9.0% of mass 174	6.88	(	7.76	)	1	-
176	95.0 - 101.0% of mass 174	86.84	(	97.86	)	1	
177	5.0 - 9.0% of mass 176	5.34	(	6.16	)	2	=

1- Value is % mass 174

2- Value is % mass 176

I	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1. V11STD005PPB	1201	2110115/a8933	01/15/11	0957
2. V11STD010PPB	1206	2110115/a8934	01/15/11	· 1021
3. V11STD020PPB	1202	2110115/a8935	01/15/11	1045
4. V11STD050PPB	1203	2110115/a8936	01/15/11	1109
5. V11STD100PPB	1204	2110115/a8937	01/15/11	1132
6. V11STD200PPB	1205	2110115/a8938	01/15/11	1155
7. V11STD001PPB	1208	2110115/a8941	01/15/11	1306
8. V11ICV	1600	2110115/a8944	01/15/11	1459

# VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL	Contract:	
Lab Code: LA024 Case No.:	SAS No.:	SDG No.: 211011405
Lab File ID: 2110116/a8958	BFB Injection Date: 01/16/11	
Instrument ID: MSV11	BFB Injection Time: 0811	Angenium annen simministratura
GC Column: RTX-VMS-30 ID:25 (mm		
Analytical Batch: 449012		

m/e	ION ABUNDANCE CRITERIA		Relai unda	tive ance			
50	15.0 - 40.0% of mass 95	19.89	(		)	·	
75	30.0 - 60.0% of mass 95	50.58	(		)		
95	Base Peak, 100% relative abundance	100	(		)		
96	5.0 -9.0% of mass 95	6.63	١(		)		
173	Less than 2.0% of mass 174	0	(	0	)	1.	
174	50.0 - 120.0% of mass 95	88.66	, (		)		
175	5.0 - 9.0% of mass 174	7.54	(	8.51	)	1	
176	95.0 - 101.0% of mass 174	87.03	(	98.17	)	1	
177	5.0 - 9.0% of mass 176	5.51	(	6.34	)	2	

¹⁻ Value is % mass 174

		LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	V11STD050APP9	1400	2110116/a8959	01/16/11	0859
2.	V11STD050	1400	2110116/a8960	01/16/11	0923
3.	LCS913049	913049	2110116/a8960L	01/16/11	0923
4.	LCSD913050	913050	2110116/a8961	01/16/11	0946
5.	MB913048	913048	2110116/a8963	01/16/11	1033
6.	EQUIPMENT BLANK	21101140514	2110116/a8966	01/16/11	1142
7.	TRIP BLANK 1	21101140515	2110116/a8967	01/16/11	1205
8.	TRIP BLANK 2	21101140516	2110116/a8968	01/16/11	1228

²⁻ Value is % mass 176

# 5A VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	GCAL	*	`				Contract:				
Lab Code:	LA024		Case No.				SAS No.:		SDG No.:	211011405	
Lab File ID:	2110116/	a8958s					BFB Injection Date:	01/16/11		•	
Instrument I	D: MSV11					٠	BFB Injection Time:	0811			
GC Column	RTX-VM	S-30	ID:	.25	(mm			,	•		

Analytical Batch: 449013

#### % Relative **Abundance** ION ABUNDANCE CRITERIA m/e 50 15.0 - 40.0% of mass 95 19.89 ) 75 30.0 - 60.0% of mass 95 50.58 ) ) 95 Base Peak, 100% relative abundance 100 96 5.0 -9.0% of mass 95 6.63 ) 173 Less than 2.0% of mass 174 0 ) 174 50.0 - 120.0% of mass 95 88.66 ) 175 5.0 - 9.0% of mass 174 7.54 8.51 95.0 - 101.0% of mass 174 87.03 98.17 1 177 | 15.0 - 9.0% of mass 176 5.51 ( 6.34 2

1- Value is % mass 174

2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	•	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	V11STD050APP9	1400	2110116/a8959s	01/16/11	0859
2.	V11STD050	1400	2110116/a8960s	01/16/11	0923
3.	LCS913052	913052	2110116/a8960s	01/16/11	0923
4.	LCSD913053	913053	2110116/a8961s	01/16/11	0946
5.	MB913051	913051	2110116/a8964	01/16/11	1055
6.	T-15-F	21101140501	2110116/a8965	01/16/11	1118
7.	T-15-F MS	21101140502	2110116/a8972	01/16/11	1401
8.	T-15-F MSD	21101140503	2110116/a8973	01/16/11	1425
9.	T-21-F	21101140504	2110116/a8977	01/16/11	1603
10.	NC-0-0.3	21101140505	2110116/a8978	01/16/11	1627
11.	T-6-NORTH	21101140510	2110116/a8979	01/16/11	1651
12.	SC-W ,	21101140512	2110116/a8980	01/16/11	1715
13.	SC-E	21101140513	2110116/a8981	01/16/11	1739
14.	T-6-FLOOR	21101140507	2110116/a8982	01/16/11	1809
15.	T-6-EAST	21101140508	2110116/a8984	01/16/11	1857
16.	T-6-SOUTH	21101140509	2110116/a8985	01/16/11	1922

FORM V VOA

# VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

# BROMOFLUOROBENZENE (BFB)

Lab Name:	GCAL			Cont	ract:				
Lab Code:	LA024	Case No.:		SAS	No.:			SDG No.:	211011405
Lab File ID:	2110116/a8958s			BFB	Injection Date:	01/1	6/11		
Instrument II	D: MSV11		· · · · · · · · · · · · · · · · · · ·	BFB	Injection Time:	0811		<del></del>	
GC Column:	RTX-VMS-30	ID: <u>.25</u>	(mm				٠.		•
Analytical Ba	atch: 449013					:			
17	. BLIND DUP		211011	40511	2110116/a898	6	01/16/1	1	1946

FORM V VOA

# 5A VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL	Contract:
Lab Code: LA024 Case No.:	SAS No.: SDG No.: 211011405
Lab File ID: 2110107/k9745	BFB Injection Date: 01/07/11
Instrument ID: MSV5	BFB Injection Time: 1024
GC Column: RTX-VMS-30 ID: 25 (mm	

Analytical Batch: 448597

m/e	ION ABUNDANCE CRITERIA	% Relative ABUNDANCE CRITERIA Abundance				
50	15.0 - 40.0% of mass 95	20.1	(		)	
75	30.0 - 60.0% of mass 95	48.92	(		)	
95	Base Peak, 100% relative abundance	100	(		)	
96	5.0 -9.0% of mass 95	6.24	(		)	
173	Less than 2.0% of mass 174	0	(	0	)	1
174	50.0 - 120.0% of mass 95	74.06	(		,)	
175	5.0 - 9.0% of mass 174	5.84	(	7.89	)	1
176	95.0 - 101.0% of mass 174	72.34	(	97.69	)	1
177	5.0 - 9.0% of mass 176	4.32	(	5.98	) .	2

1- Value is % mass 174

2- Value is % mass 176

		LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	V5APP9	1207	2110107/k9746	01/07/11	1114
2.	V5APP9	1201	2110107/k9747	01/07/11	1136
3.	V5APP9	1202	2110107/k9749	01/07/11	1221
4.	V5APP9	1203	2110107/k9750	01/07/11	1243
5.	V5APP9	1204	2110107/k9751	01/07/11	1306
6.	V5APP9	 1205	2110107/k9752	01/07/11	1330
7.	V5APP9	 1206	2110107/k9755	01/07/11	1542
8.	APP9ICV	1600	2110107/k9756	01/07/11	1604

# VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL	Contract:	· · · · · · · · · · · · · · · · · · ·
Lab Code: LA024 Case No.:	SAS No.:	SDG No.: 211011405
Lab File ID: 2110107p/k9757	BFB Injection Date: 01/07/11	
Instrument ID: MSV5	BFB Injection Time: 1702	
GC Column: RTX-VMS-30 ID: .25 (mm		*
Analytical Batch: 448598		

 m/e
 ION ABUNDANCE CRITERIA
 % Relative Abundance

 50
 15.0 - 40.0% of mass 95
 20.56 (

 75
 30.0 - 60.0% of mass 95
 47.75 (

95	Base Peak, 100% relative abundance	100	(		)	
96	5.0 -9.0% of mass 95	5.95	(		)	
173	Less than 2.0% of mass 174	0	١(	0	)	1
174	50.0 - 120.0% of mass 95	70.28	(		) ·	-
175	5.0 - 9.0% of mass 174	5.23	(	7.45	)	1
176	95.0 - 101.0% of mass 174	67.79	(	96.47	)	1
177	5.0 - 9.0% of mass 176	4.52	. (	6.68	)	2

¹⁻ Value is % mass 174

	•	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	V5STD001	1207	2110107p/k9758	01/07/11	1808
2.	V5STD005	1201	2110107p/k9759	01/07/11	1830
3.	V5STD010	1206	2110107p/k9760	01/07/11	1854
4.	V5STD020	1202	2110107p/k9761	01/07/11	1916
5.	V5STD050	1203	2110107p/k9762	01/07/11	1938
6.	V5STD100	1204	2110107p/k9763	01/07/11	2001
7.	V5STD200	1205	2110107p/k9764	01/07/11	2023
8.	8260ICV	1600	2110107p/k9766	01/07/11	2107

²⁻ Value is % mass 176

# 5A VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

Lab Name:	ab Name: GCAL			Contract:				
Lab Code:	LA024	Case No.:		SAS No.:		SDG No.:	211011405	<del></del>
Lab File ID:	2110118p/k9903		·	BFB Injection Date:	01/18/11			
Instrument I	D: MSV5			BFB Injection Time:	1233	****		
GC Column:	RTX-VMS-30	ID: <u>.25</u>	_ (mm	:				

Analytical Batch: 449157

# ION ABUNDANCE CRITERIA % Relative Abundance

50	15.0 - 40.0% of mass 95	20.55	(		)	
75	30.0 - 60.0% of mass 95	49.57	(		)	
95	Base Peak, 100% relative abundance	100	(		)	
96	5.0 -9.0% of mass 95	6.7	(		)	
173	Less than 2.0% of mass 174	. 0	(	0	)	1
174	50.0 - 120.0% of mass 95	66.86	(		)	
175	5.0 - 9.0% of mass 174	4.76	(	7.12	)	1
176	95.0 - 101.0% of mass 174	64.27	(	96.13	)	1
177	5.0 - 9.0% of mass 176	4.62	(	7.2	).	2

1- Value is % mass 174

2- Value is % mass 176

	ž.	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	V5STD050	1400	2110118p/k9905	01/18/11	1319
2.	LCS913706	913706	2110118p/k9905	01/18/11	1319
3.	LCSD913707	913707	2110118p/k9906	01/18/11	1342
4.	APP9050	1400	2110118p/k9907	01/18/11	1409
5.	MB913705	913705	2110118p/k9909	01/18/11	1455
6.	T-2-WEST	21101140506	2110118p/k9911	01/18/11	1541

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### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09 End Cal Date : 15-JAN-2011 13:06

: ISTD Quant Method Target Version : 3.50 Intégrator : HP RTE

: /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo Method file

Cal Date

## Calibration File Names:

Level 1: /var/chem/msv11.i/2110115.s.b/a8933.d Level 2: /var/chem/msv11.i/2110115.s.b/a8935.d Level 3: /var/chem/msv11.i/2110115.s.b/a8936.d Level 4: /var/chem/msv11.i/2110115.s.b/a8937.d Level 5: /var/chem/msv11.i/2110115.s.b/a8938.d Level 6: /var/chem/msv11.i/2110115.s.b/a8934.d Level 8: /var/chem/msv11.i/2110115.s.b/a8941.d

Compound	5     Level 1	20     Level 2	50   Level 3	100   Level 4	200   Level 5	10 Level 6	  Curve		Coefficients ml	m2	%RSD or R^2
	1     Level 8					-		 	==	:	
1 Dichlorodifluoromethane	6632					13376	,	!	0.27251		0.9998
2 Chloromethane ++	7252		75385  	150507	ı i		LINR				   0.9996
3 Vinyl Chloride +	0.36512		0.39431	0.37207		0.37712	•	, I .	0.39064		     11.9715
4 1-3 Butadiene	7133   2203		697801	1520231	279568	•	  LINR	0.04410	0.26232	,	     0.9969
	-{	 					<del>-</del>				

# GCAL, Inc.

## INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/

: /var/chem/msvll.i/2110115.s.b/8260bwll.m : 17-Jan-2011 11:24 rjo

Cal Date

											<del></del>
Compound	5     Level 1	20   Level 2	50     Level 3	100 Level 4	200     Level 5	10 Level 6	Curve		Coefficients ml	m2 ·	%RSD or R^2
	   1	   	 		 						l . l
5 Bromomethane	6063    2299	25166	70090 I	142408	'	12322	!    LINR	0.00385	0.25505		   0.99988
6 Chloroethane	0.17453	0.18338	,   0.19858  	0.20153	, ,	0.17687	  AVRG	İ	0.19846		!   11.2361
9 Trichlorofluoromethane	9289	37439	. ,	214118	•	18529		0.00626	0.38506		,     0.9998
12 Ethyl Ether	0.21450	0.22668	0.23547		) 0.25358    0.25358	0.20294	I I		0.23958		12.0810
7 2-Chloropropene	+++++     +++++	++++	+++++     	++++	'	   +++++	l l  AVRG		               0 000e+00		l 0.000e+0
13 1,1-Dichloroethene +	5369		64193	129632	'	11291 	  LINR	0.01176	i I		l 0.9998
21 Carbon Disulfide	16063		188229	382797	1	,   33280		0.02059	0.71239	<b></b>	l 0, 999.
			 			<del></del>	1		<del>-</del>   -		

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# GCAL, Inc.

## INITIAL CALIBRATION DATA

: 14-JAN-2011 11:09 : 15-JAN-2011 13:06 : ISTD

Start Cal Date : 14-JA End Cal Date : 15-JA Quant Method : ISTD Target Version : 3.50 Integrator : HP RI Method file : /var/

: HP RTE : /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo

Cal Date

·	1 5 [	20	50 1	100	ľ 200 I	10	[ [	(	Coefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4		Level 6	Curve	b	m1	m2	or R^2
	1 1 1				 		l (				
	Level 8	į	1		t 1			•			I I
19 1,1,2Trichlotrifluoroethane	5671	22682			282527			32222222	*=====================================		=====   
	1890			133000	1 2020271		LINR	0.00908	0.24153		0.99981
14 Methyl Iodide	0.26231		•		0.32847				[		[ <b></b>
	0.376071		0.31300	0.32233	j : j		AVRG		0.30814		1 13.23544
156 Ethanol	•	+++++	   +++++	+++++		+++++			! 		 
	1 +++++	, , , , , , ,	. ,,,,,,				AVRG		0.000e+00		0.000e+00
8=Acrolein	0.01153	0.01257	   . 0.01344		0.013491				 		<b></b>   
. *	0.012221		l (		i i		AVRG		0.01283		5.98524
17 Allyl chloride	0.262531		0.28914		0.30583		' '				
· · · · · · · · · · · · · · · · · · ·	0.35272		l !	,			AVRG		0.29040		11.78337
18 Methylene Chloride	0.355201	0.33235	0.34073	0.33185	0.33994	0.34634					 
	0.47118		l :	١	i i		AVRG		0.35966		13.85566
11 Acetone	0.11492		0.10204		0.095031		, ,		 		[
· · · · · · · · · · · · · · · · · · ·	+++++						AVRG		0.10473		8.69285
			 	<del></del>			1				[

# GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

		····									
Compound	5     Level 1	20   Level 2	50   Level 3	100 i	200   Level 5	10 Level 6	Curve		oefficients ml	m2	%RSD   or R^2
	1 1     Level 8				 						f . 
22 trans-1,2-Dichloroethene	79761	34787	•		•	16818		·	0.36531		0.99979
20 Methyl Acetate	0.18210		1		1	0.19440	  AVRG	;	0.19067)		1 4.04096
32 Hexane	1 11193	46032		288600	605137	23216  .	  LINR	0.01466	0.51846		l ( 0.99956
25 MTBE	18500    5070	81168	211589		936547   936547	! 38043	LINR	0.01651	0.79495		
15 tert-Butyl Alcohol	338   +++++	2279	5743	13324	'	, ) 719		) 	1		1 0.99788
10 Acetonitrile	0.03002	!	0.03595	0.03711	i		IAVRG	 	0.03322		1 11.91000
28 Isopropyl Ether	0.79258   1.05658	0.80344	0.76627	0.84913				 	0.84540		1 11.50611
		<del></del>	 		1	1 <u> </u>		 	\ 		·

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GCAL, Inc.

## INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

	1 5 1	20	50	100	200	10	! -	(	Coefficients		1 %RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b .	m1	m2	or R^2
	1 1		 		(		( (	 			! 
	Level 8	i	I	1	l l		. !				(
27 Chloroprene	0.31740	0.35696	0.37558	0.40068	0.408261		, ,				=====================================
	0.39156			. !	 		AVRG		0.36676		10.31359
26 1,1-Dichloroethane ++	11502								 	<del></del>	(
	3501		! !!				LINR	0.01045	0.47895		0.99987
16 Acrylonitrile	0.07367	0.08097	0.07852	0.07593	0.07785	0.08031	1	1	, 		ļ
,-,,,,,,	0.06845		l				AVRG	-	0.07653		5.68394
29 Vinyl Acetate	1 0.298551		0.36573	0.35754	0.33874.	0.31717				,	i.
	0.30915		 		 		AVRG		0.32818		7.92723 
152 Ethyl Tert-butyl Ether	1 +++++ 1	++++	+++++	+++++	·   +++++		į - I	i,	I 1		1
·	+ <del>i</del> +++   		 		) 	 	AVRG	 	0.000e+00  		0.000e+00
23 cis-1,2-Dichloroethene	8572		96174	197947	424658		•	I			İ
	2828		 		! ]		LINR	0.01506	( 0.36159)		0.99986
38 2,2-Dichloropropane	0.36358		0.41672	0.40781	0.38787		•	!			I
·	0.51282		( 		 	 	AVRG	. 	0.40088		13.65316
<u></u>								!	II		i

# GCAL, Inc.

## INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant-Method :: ISTDTarget Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

	1 5 I	20 . 1	50 I	100	200	10	1 1	C	oefficients	1	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	ml	m2	or R^2
	1     Level 8		 	! !						   	
45 Cyclohexane	0.38330	0.40069  		0.464 _. 58		0.39743	         AVRG	; !	0.44 <u>7</u> 70]	I 1	12.96351
36 Bromochloromethane	0.132021	0.13686	0.14473	0.14149	•	0.13767	,            AVRG	! !	0.14591¦	. 1	12.7157
37 Chloroform +	11589	47806	•	261511	562980	23935	  LINR	, '	i	! !	0.9998
46 Carbon Tetrachloride	0.29555	0.30694	0.33541!	0.33513		0.31059	I I	     	0.334241	   	12.7202
53 Ethyl Acetate	291321 81271	141558	389852  	863012	' '	54243	I I IQUAD	0.37272	2.32735		0.9975
35 Tetrahydrofuran	11051    2955	55377	•	323623	' +++++     ++++   	21017	,      LINR	0.20313	i	, ! 	0.9985
31 sec-butanol	+++++     +++++		   +++++   	+++++	   +++++	+++++	          AVRG	.	   0.000e+00	į į	0.000e+0
							11				

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GCAL, Inc.

## INITIAL CALIBRATION DATA

		I	NITIAL C	CALIBRAT	CION DAT	A						
End Cal Date : Quant Method : Target Version : Integrator : Method file :	15-J. ISTD 3.50 HP R /var	TE /chem/m	13:06 sv11.i/2		s.b/826	0bw11.m						
Cal Date :	· 1 / – J		11:24 r		100 1	200	10			Coefficients		1 %RSD
Compound	 	- ,	Level 2	• • • •				•		ml	m2	or R^2
1 1	•	l Level 8		. [				 	 			
43 1,1,1-Trichloroethane	ĺ	0.37634	0.383881	0.42014! 	0.41248	0.41418	0.37687	I I AVRG	 	0.41361		1 11.350411
33 2-Butanone		3350 1300	' 15101    15101	37983    37983	75062	156217    156217	7370	l  LINR	     -0.02223	0.13263		0.99979
44 1,1-Dichloropropene		8566 2755	35278 I	1016991	208603  	437528	17000	  LINR	0.01267	1		0.99984
157 1,3=difluorobenzene	- - -	+++++	'  ==:::+++++ ::-  	· = ==+++++	   +++++   	· 	+++ <u>+</u> +	I   AVRG	 	0.000e+00	· =	0.000e+00
54 2,2,4 Trimethylpentane	1	0.73202	,   0.76305  	0.71070  	0.79440  	0.79709; !	0.75954	  AVRG	,   	0.78729		1 10.14641
47 Benzene	.	27348 8434	' 113415    113415	307679; I	628022  	1342076  	55442	    LINR	     0.01039			0.999901
24 Propionitrile	 	0.03168	0.04026	0.04300	0.04676	0.03775	0.03132	  AVRG	 		•	1 14.63160
l		l	 		 			1	l	1		.1

# GCAL, Inc.

## INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/
Cal Date : 17-Jan-2011 11:24

: /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo

	1 5 1	20 1	50 1	100 1	200 1	10 1	1	C	oefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curvel	þ	ml .	m2	or R^2
	1     Level 8		 	 	, ! !		, } 		,		
30 Methylacrylonitrile	0.15169	0.17150	•	•		0.14452	i AVRG I	· !	0.16707	•	
42 1,2-Dichloroethane	0.35705		0.37797	0.36110	0.37115	0.36211		 	0.38071		1 11.12663
34 Isobutyl Alcohol	7461		15156	35222	++++	1563		0.49587	0.01398		0.998201
158 1,4-difluorobenzene	. ++++     . +++++	+++++   	+++++	+++++	++++	++++	AVRG	· .	0.000e+001		0.000e+00
80 Total 1,2-Dichloroethene	1 165481	ı	1		ı		LINR		0.36345		0.99983
154 Tert-butyl formate	+++++	+++++	+++++ [	   +++++   	+++++   	+++++		. I 1	0.000e+001		0.000e+00
153 tert-amyl Methyl Ether	+++++     +++++	+++++	+++++ (	++++	+++++	++++	          AVRG	· · · · · · · · · · · · · · · · · · ·	0.000e+00)		1   0.000e+00
		1			[ <u>-</u>		l l		(-		-1

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GCAL, Inc.

# INITIAL CALIBRATION DATA

: 14-JAN-2011 11:09 : 15-JAN-2011 13:06

Start Cal Date : 14-JA
End Cal Date : 15-JA
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RT
Method file : /var/

: HP RTE : /var/chem/msvll.i/2110115.s.b/8260bwll.m : 17-Jan-2011 11:24 rjo

Cal Date

	1 5	- 20	EA .	100	200 :	10					l Bros	
Compound	Level 1	20     Level 2:	50   Level 3	100   Level 4	200     Level 5	10 Level 6	  Curve	ь	Coefficients ml	m2	%RSD   or R^2	1
	   1   Level 8	<del></del>	 	 	[     		[				    	1
155 Tert-amyl alcohol	+++++	+++++	+++++   	+++++	   +++++   	+++++	I I		0.000e+001		1   0.000e+00	i
61 Methyl Cyclohexane	9561   3471		124375	•	534187    534187	19475	  LINR	0.02035			0.99969	•
57 Trichloroethene	6734   2224	29020	' '	162017	347708  	14104		0.01519	i i		   0.9998	1
T62 Heptane	+++++ +++++	'	+++++   	ļ	,   ++,,,++   	` <del>+</del> `+*+*+	II		1 0.000e+001	s	0.000e+00	    -  -
159 1,2-difluorobenzene	+++++	+++++   	+++++   	*++++	' +++++     +++++	. ++++	  AVRG		0.000e+00		1   0.000e+00	ו י ו (
161 Total Difluorobenzene	+++++   +++++	+++++ 	   +++++   	+++++           +++++	' '   +++++ ! 	   +++++ 	AVRG		0.000e+001		0.000e+00	)
40 n-Butanol	348	3105	' '		٠ .	873	  LINR	0.13029			0.9964	
·			<del></del>								-	- !

Report Date : 19-Jan-2011 15:25

### GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

	5 !	20	50	100	200	. 10	1	C	oefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5 !	Level 6	Curve	р	m1	_ m2	or R^2
•	1 1	1	1		<del></del>		1 1				1 1
·	Level 8	 	!		  1						1
55 Dibromomethane	0.154661	•	•		•				l		
	0.209491				 		AVRG	 1	0.16997		10.60351
48 2-3 Dichloro-1-Proprene	9496							1	1		1 1
	2700  		 		! {		LINR				1 0.999291
56 1,2-Dichloropropane +	6860		76550	156912		13469	i i	i	İ		i i
	1939  			·	 		LINR		0.28355		0.99995  
58 Bromodichloromethane	0.32872		0.37088	0.37002	0.37805						i i
	0.45045!		 	 	! !!		AVRG		0.37103		10.48745
52 Methyl methacrylate	1 46281		65509	150163	272869				I I		i
	1415!				1 1		LINR	0.009971	0.26085  		0.99533  
51 1,4- Dioxane	721		15165	32502	+++++						1 1
·	76.00000  		 	 	 		LINR	1.45160			0.998891
160 Methyldisulfide	++++	+++++	++++	+++++	·   +++++	++++			· · · · · · · · · · · · · · · · · · ·		j ·
·	++++ 			 	.   	 	AVRG		0.000e+00  		0.000e+00  
				\ \	· !		.	. ' 	   .		.

GCAL, Inc.

#### INITIAL CALIBRATION DATA

		. II	VITIAL C	ALIBRAT	ION DAT	A						
	End Cal Date : 15-J Quant Method : ISTD Target Version : 3.50 Integrator : HP R Method file : /var	l	13:06 sv11.i/2		s.b/826	Obwll.m					· .	
	1	5 (	20 1	50	100 I	200	10	j i	C	coefficients		₹RSD
	Compound		,		Level 4			Curve	р	ml	m2	or R^2
		l 1   Level 8	1	,   	I I	·   	 					! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !
	60 1-Bromo-2-chloroethane	954										
	I ·	119	•	ا				LINR				0.99971
	62 2-Chloroethyl vinyl ether	3301   +++++	2368   	7638    1	15622  	38805	1090	  LINR	0.13305	0.033441		!
		0.39098	0.41084	0.46031		0.46134	0.40299	  AVRG	 	0.449481	•	13.09657
u ser i r	t	- 29535    9950	11-9684	· 331362	680745  	1444836	 	LINR	-0.01810	2.96048	·	0.999641
	49 2-Nitropropane	0.06362	0.07276	0.07390    0.07390	0.09117  	0.07769	0.06184 	I I AVRG		0.07415		1 13.28306
	78 Tetrachloroethene	0.523241	0.52189	0.58549	I 0.55629	0.53909	0.54724 	I   AVRG	 	0.57317		1 13.300291
	65 4-methyl-2-pentanone	   5922    1445	27698  	75582 I	152031 I	324557	,   13332 	LINR	   0.01141	0.27666		
	l	1					<del></del>	1		-   -		11

Page 12 Report Date: 19-Jan-2011 15:25

#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msvll.i/

: HP RTE : /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo

	<del></del>		<del>`</del>		· · · · · · · · · · · · · · · · · · ·						<del></del>
Compound	5     Level 1	20   Level 2	'50 [ Level 3	100   Level 4	200   Level 5	10 Level 6	  Curve		oefficients ml	m2	%RSD .
. •	1 1   Level 8			(   			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	 			1
66 trans-1,3-Dichloropropene	0.362351	0.387431			0.43255	0.37306	  AVRG	! !	0.41818		13.08258
67 1,1,2-Trichloroethane	0.62611		0.65371	0.60513	0.59722    0.59722	0.64654	I   AVRG	1 1	0.659491		1 13.54886
64 Ethyl Methacrylate	4177		628461	145078	•	7995	•	, , }	į		0.99654
72 Dibromochloromethane	0.635591		0.71506	0.68645	0.68575		  AVRG		0.71428		1 12.24478
71 1,3-Dichloropropane	1.07479;   1.52055		1.13386	1.06172	1 1		AVRG	;; 	1.14614		1 14.61941
59 1-Nitropropane	784 j 58.00000 j		10754	27917		1494	LLINR	   0.02796	- · · · · · · · · · · · · · · · · · · ·		   0.99103
74 1,2-Dibromoethane(EDB)	-     0.59617    0.85828		0.65649	0.61513	•		AVRG	•	0.65753		1 13.77388
	-   _	 	( 		l		· I	 			- ( -

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

. Quant Method

			·			<u></u>			<del></del>		······································	
	5	ا 20	50 I	100	200	10	l 1	C	Coefficients		%RSD	I
Compound	Level 1	Level 2	Level 3	Level 4	Level 5   	Level 6	Curve	ъ	m1	m2	or R^2	1
·	1 1				 		1 1				1 · ·	ł I
•	Level 8	i	i	İ	· 		I 1				i I	ì
		,	•					2008======		7 <b>222</b> 256648	******	l
73 2-Hexanone	1 36251 1 8731		529441	105093	226773			  -0.00738	   0.465371		l   0.99937	1
	·	•			' 							1
4 87 1-3 Dichloropropene total	0.376671	0.39913	0.44189	0.43852	0.446941	0.38802	1	[	1			ı
	0.54564	 					AVRG	 	0.43383		13.08376	1
151 3,3 Dimethyl-1-butanol	   +++++	+++++	   +++++	+++++	   +++++	+++++	,	 	 		1	1
1	1 +++++ 1	· ·	i		1		IAVRG	! !	0.000e+00}		J 0.000e+00	. j «
	·     76091		•				•		•			1
- 86 1-Chioronexane	1 27581		96166	190186	430461  		I. ILINR	l <u> </u>			1 0.99875	1
	- 1						• • •				(	i
85 Chlorobenzene ++	17751		206145	420280	903947		•	<b>l</b> , i	l 1	•	1	I
·	6025	 			l (		•	•	1.84993		0.99972	1
88 Ethylbenzene +	0.96876	0.98536	1.09078	1.03839	• •	l	•	1				i I
	1.35365			•	I I		AVRG	j I	1.06284		1 12.73030	- [
82 1,1,1,2-Tetrachloroethane	-     5985	24828	   69265		205204	!	•					1
82 1,1,1,2-lettachioloethane	1822		03265  	142187	] 305394  		-	   -0.00970	0.62571		0.99974	ı L
	-1				1							i
· · · · · · · · · · · · · · · · · · ·	_	l	<u></u>		I	l	<b>!</b>	l	l <u></u>		.1	١,

#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/
Cal Date : 17-Jan-2011 11:24

: /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo

	l 5 I	20	50 I	100	200	10	[ [	(	Coefficients	•	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	ml	m2	or R^2
	1 1 1		1		 		1, 1 [ [				1 1
	Level 8	!			 		l				1 1
69 3-ethyltoluene	+++++	+++++	+++++	+++++	+++++   	+++++					
	++++	!					AVRG		0.000e+00		0.000e+00
89 p,m-Xylene	21806	95276	277953	578442	٠ ,			<del></del>	ļ. [		
	( 6849		 		 		LINR	0.01317			0.999791
75 2-ethyltoluene	,   +++++	+++++	'   +++++	++++	'   +++++	++++	1 1		 I		1 !
,	+++++				 		AVRG		0.000e+00		0.000e+00
93 o-Xylene	9725		129828	271667	594355	20889	1 1		' ', 		
·	2914; 		 		 		LINR	0.01522	1.22119		0.99982
90 Bromoform ++	0.39999	· ·	0.49212	0.47137	0.48996				I I		1 1
	0.48275		 		 	 	AVRG		0.46392  	· 	6.87842
91 Styrene	1.59569		2.13433	2.09260	2.18495				, . ! !		i i
	2.17360		 		 		AVRG		1.96775  		12.00854
96 Isopropylbenzene	24426		333207						I 1		
·	7760		 		 		LINR	0.02370	3.18263		0.99978
			I		· 		.l		, !		_1

# GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msvll.i/

: HP RTE : /var/chem/msvll.i/2110115.s.b/8260bwll.m : 17-Jan-2011 11:24 rjo

\$	1 5 1	20 1	50	100	200 1	10	1 1	. с	oefficients	1	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5		Curve	b	m1	m2	or R^2
	   1     Level 8	· · · · · · · · · · · · · · · · · · ·			   					1	-     •
				**********	'   =======	~~~~					   ========
98 Bromobenzene	10789    3496	ĺ	· 1		619321  		LINR				  - 0.9999;
100 n-Propylbenzene	292531	126463	387176		1824439  	60888	  LINR	0.00545!	3.72447	 	   0.9997
M 120 TOTAL XYLENE	31531     9763	139729		850109	1847641  	67283	  LINR	-0.044151			,     0.9994
92, 1, 1, 2, 2 Tetrachloroethane++			84158    84158	. 173184	   374076  	. 15403	LINR			·	   0.9993
101 2-Chlorotoluene	   18026    5967		1		1 1		  LINR			:	     0.9998
94 1,2,3-Trichloropropane	0.703991 0.946961	0.72073	0.72851	0.67516	I I	0.73853	  AVRG		0.740271		     12.8170
104 1,3,5-Trimethylbenzene	20271    6548	90976	1		   1296134  	42160	1 .	0.008891	·     2.64191		     0.9998
			 		<del></del>	<u>-</u>					<del></del>

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE

: /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo Method file

	ι 5 ί	20 ا	50 (	100 (	200 (	10	Į.	. с	oefficients		{ %RSD {
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curvel	þ	m1	<b>≤</b> m2	or R^2
	1	 				·	1	•			1. 1
	Level 8										
76 Cyclohexanone	2026	10959		,		3366		· I			1 1
	3981	i 		 			LINR	0.18691	-		0.99164
95 trans-1,4-Dichloro-2-Butene	1824	,	•	49668	•		•	I		<del></del>	
·	4261	اا	I	i	· I	~~~~~~~~~	LINR		•		0.99970
102 4-Chlorotoluene	18631 ]	81136	243216	5120221				, I			1
	63341	·	I				LINR	•	2.32119		0.99978
105 tert-butylbenzene	10789	•		'				 I	] 		1 1
	35981		į.				LINR	0.01489			0.99984
84 Pentachloroethane	0.423321	'	•	'	'		'	i			1
	0.51764	•	1		[		AVRG	•	0.44908		7.723341
106 1,2,4-Trimethylbenzene				•	'		, ,				-   
	65421		l	i			LINR				0.999881
103 2-methylnapthalene			+++++	+++++	   +++++	+++++	<del></del>   	I	 		-   
	+++++	Ì	1		ĺ		AVRG	. 1	0.000e+00		0.000e+00
	11							1	1		-

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msvll.i/

: HP RTE : /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo

	[ 5 [	20 (	50 (	100	200 (	10	1 1	C	pefficients		- %RSD
Compound	Level 1	Level 2	Level 3		Level 5	Level 6	Curvel	þ	m1	m2	or R^2
	1   1	1		 	   						   
107 sec-Butylbenzene	1 . 24040    8028	107457	334927  	710294		50544	, , ,        LINR	0.01266	3.24423		.l   0.9997
112 Dicyclopentadiene	2.64696	2.82058	2.79119	3.17904	3.30961  	2.80036	      AVRG	. !	3.01207		! ! 10.9719
111 p-Isopropyltoluene	18977	87368			1313306  	40564	  LINR	0.01930	2.68294	-	0.9997
108_1,3-Dichlorobenzene	12514		154679		751785	25685	 	0.009731		•	
110 1,4-Dichlorobenzene	13300    4928		162609	342276	776923   	27151		i	1.57776		   0.9998
114 n-Butylbenzene	16516    5995		247422   	531501	'	34913	  LINR	0.02045	2.422461		l   0.9996
113 1,2-Dichlorobenzene	1 120691	51713			¹ , '	24808	' ,'	0.00490	1.44596		   0.9999
	 1 · · · · · · · · · · · · · · · · · · ·				[		11				

### GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE

: /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo Method file

	5 1	20 1	50 i	100	200	10			oefficients		%RSD
Compound	Level 1	•	Level 3	Level 4	•		Curve		ml	m2	or R^2
	1			·	 	·	!   ! !			. 1	. 1
	Level 8	į	i				]			1	į
81 1-3 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++					
, 	+++++	 			 		AVRG		0.000e+001		0.000e+00
79 1-4 Diethylbenzene	++++	+++++ )	+++++ )	++++	, , +++++ )	+++++	1 1	,	i i	1	:
	+++++   		!		 		AVRG   		0.000e+00	-	0.000e+00
77 1-2 Diethylbenzene	+++++ [	+++++	+++++ /	+++++	+++++	+++++	1 1	ł			0.000.100
 	+++++   		ا  ا		 		AVRG     <del></del>		0.000e+001	! 	0.000e+00
115 1,2-Dibromo-3-Chloropropane	1159  4021		16676	34306	76582		l I	-0.00993	0.15564I	1	0.99971
					 					ا اا	
99 Benzal Chloride	717)   99.00000		16268	46630	149225		I IOUAD I	0.20510	9.231241	-2.709031	0.99778
							1				
118 Hexachlorobutadiene	2264    1024	•	26156	55607	122736  		  LINR	-0.00661	0.24984)	I	0.99972
116 1 2 4 majoble and a second	58091						' '			:	
116 1,2,4-Trichlorobenzene	1806		76850  	162523	360293  		  LINR	0.00376	0.73548	1	0.99976

# GCAL, Inc.

### INITIAL CALIBRATION DATA

: 14-JAN-2011 11:09 : 15-JAN-2011 13:06

Start Cal Date
End Cal Date
Quant Method
Target Version
Integrator
Method file
Cal Date

: ISTD : 3.50 : HP RTE : /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo

	1 5 1	20	50	100	200	10	1 1	C	coefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	þ	m1	m2	or R^2
. <del>-</del>	1 1 1	 			<del></del>		1 1 1 1				. 
•	Level 8		İ	!			1 1				1
117 Naphthalene	11430	59507	181183	391784	867431						
	! 2219						LINR	0.02048	1.77932		0.99977
119 1,2,3-Trichlorobenzene	   4641	'	   59844		   274027	9999					·1 <del></del>
·	1 . 1508		l			•	LINR	-0.01415	0.558081		0.99967
121 Total Diethylbenzene	+++++	+++++	   +++++	+++++		+++++			<del></del>		
·.	+++++	]	! !		l i	I	AVRG		0.000e+00		0.000e+00
39 Dibromofluoromethane	1 0.24299	0.23833	0.23915	0.24011	0.24595	0.23817	: .				l
	0.24238		<b>i</b>	· .	1 1	( 	AVRG		0.24101		1.19430
41 1,2-Dichloroethane-d4	0.14839		0.14773	0.14792	0.14921	•			 	<del></del>	
·	[ 0.15059	 	<u> </u>		1	 	AVRG	•	0.14872		0.65456
68 Toluene-d8	2.50576		,	2.40998	2.34254	,	' '				
	2.55249	•	l			•	AVRG		2.47603		3.01994
97 Bromofluorobenzene	0.71398	•	•		,	•	• '		<del></del>     '		
• .	0.68270	1	! ·		l   , .	•	AVRG		0.71853		2.42608
		<del></del>		<del></del>							-

#### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09 End Cal Date : 15-JAN-2011 13:06

Quant Method : ISTD Target Version : 3.50 Integrator

: HP RTE : /var/chem/msv11.i/2110115.s.b/8260bw11.m : 17-Jan-2011 11:24 rjo Method file

Cal Date

|Average %RSD Results. |Maximum Average %RSD = 15.00000 |* Passed Average %RSD Test.

ı	Curve	1	Formula	ı	Units	i
١	M = M = M = M = M	•   •	80#PQ=22888#################################	1:		۱:
١	Averaged	1	Amt = Rsp/ml	1	Response	ı
١	Linear	1	Amt = b + Rsp/m1	I	Response	1
1	Quad	1	$Amt = b + m1*Rsp + m2*Rsp^2$	ţ	Response	ı
I		1		1		1

Data File: /var/chem/msv11.i/2110114.s.b/a8922.d

Report Date: 17-Jan-2011 07:03

GCAL, Inc.

#### RECOVERY REPORT

Client Name:

Sample Matrix: LIQUID

Lab Smp Id: 1600

Level: LOW

Data Type: MS DATA

SpikeList File: App9.spk

Sublist File: APP9\$.sub

Method File: /var/chem/msv11.i/2110114.s.b/8260bw11.m

Misc Info: MSV~20844~*1*RJU

Client	SDG:	21	10114.s
Fractio	on: N	70A	
Client	Smp	ID:	V11ICV
Operato	or: F	ぴぴ	7
Sample	[ype:	LC	3
Quant T	Гуре:	IS:	rD

<u>,                                     </u>	·			
	CONC	CONC	ક	1
SPIKE COMPOUND	ADDED	RECOVERED	RECOVERED	LIMITS
	ug/L	ug/L	,	1
4 1-3 Butadiene	50.0	38.9	77.86	.\  60-140
12 Ethyl Ether	250 1	1		160-140
17 Allyl chloride	50.0 l	45.0		160-140
10 Acetonitrile	250	210		160-140
15 tert-Butyl Alcohol	50.0 1	· · · · · · · · · · · · · · · · · · ·	64.73	
28 Isopropyl Ether	50.0	44.4		160-14
31 sec-butanol	50.0 1	•		160-14
27 Chloroprene	50.0 1	45.5		160-140
53 Ethyl Acetate	250	162		60-14
24 Propionitrile	1 250 1	212		160-14
35 Tetrahydrofuran	250 1	164		160-14
30 Methylacrylonitrile	50.0 1	42.3		160-14
34 Isobutyl Alcohol	250 1	155		60-14
54 2,2,4 Trimethylpentane	50.0	41.0		160-14
40 n-Butanol	50.0	31.2		160-14
48 2-3 Dichloro-1-Proprene	50.0	47.3		160-14
52 Methyl methacrylate	50.0	40.1		160-14
51 1,4- Dioxane	1250	843 I		160-14
49 2-Nitropropane	50.0	40.6	81.12	-
64 Ethyl Methacrylate	50.0 1	41.9		160-14
59 1-Nitropropane	50.0	39.7		160-14
76 Cyclohexanone	100	61.1	•	160-14
84 Pentachloroethane	50.0 1	46.8		160-14
112 Dicyclopentadiene	50.0	45.6 I		160-14
99 Benzal Chloride	100	77.9		160-14
	,	<u> </u>		
			,	
	CONC	CONC	용	
SURROGATE COMPOUND	ADDED	RECOVERED	RECOVERED	LIMIT
	ug/L	ug/L		1
\$ 39 Dibromofluoromethane	   50.0	49.9	00.70	  77-12

I i	1	CONC	١	CONC	l	용	1	
SURROGATE COMPOUND	i	ADDED	İ	RECOVERED	i	RECOVERED	LIMITS	
1	1	ug/L	Ì	${\tt ug/L}$	1		1	
	_		1		_1_		.!1	
\$ 39 Dibromofluoromethane	1	50.0	ļ	49.9	1	99.72	77-127	
I <u></u>	_1		۱		_1_		11	

Data File: /var/chem/msv11.i/2110115.s.b/a8944.d

Report Date: 16-Jan-2011 09:52

#### GCAL, Inc.

#### RECOVERY REPORT

Client SDG: 2110115.s

Client Smp ID: V11ICV

Fraction: VOA

Operator: RJU SampleType: LCS

Quant Type: ISTD

Client Name:

Sample Matrix: LIQUID

Lab Smp Id: 1600

Level: LOW

Data Type: MS DATA
SpikeList File: ICV.spk

Sublist File: 8260b.sub

Method File: /var/chem/msv11.i/2110115.s.b/8260bw11.m

Misc Info: MSV~20858~*1*RJU

ļ		CONC	CONC	1 %	1
SPIKE	COMPOUND	ADDED	RECOVERED	RECOVERED	LIMITS
		ug/L	ug/L	1	1
 	Dichlorodifluoromethane	50.0	58.7	117.38	160-140
•	Chloromethane ++	50.0 1	53.6		70-130
•	Vinyl Chloride +	50.0	46.8		17.0-130
	Bromomethane	50.0	51.4	The second second	160-1401
•	Chloroethane	50.0	48.9	•	170-130
I 9	Trichlorofluoromethane	50.0	51.4	102.90	70-130
I 19	1,1,2Trichlotrifluoroethane	50.0	48.6	97.11	70-130
	Acrolein	250	215	85.97	160-1401
13	1,1-Dichloroethene +	50.0	48.4	96.80	70-130
11	Acetone	50.0	69.4	138.85	60-140
14	Methyl Iodide	50.0	54.9	109.73	70-130
21	Carbon Disulfide	50.0	52.4	104.88	70-130
18	Methylene Chloride	50.0 }	48.2	96.32	70-130
25	MTBE	50.0	51.4	102.89	J70-130J
22	trans-1,2-Dichloroethene	50.0	49.5	99.09	70-130
16	Acrylonitrile	250	264	105.70	160-1401
26	1,1-Dichloroethane ++	50.0	50.0	100.02	70-130
29	Vinyl Acetate	50.0	52.8	105.70	170-1301
38	2,2-Dichloropropane	50.0	49.4		70-130
23	cis-1,2-Dichloroethene	50.0	50.3	100.52	70-130
	2-Butanone	50.0	60.4	•	60-140
	Bromochloromethane	50.0	49.8	*	70-130
	Chloroform +	50.0	49.8	99.60	170-1301
	Cyclohexane	50.0	48.5	*	70 <del>-</del> 130
	1,1,1-Trichloroethane	50.0	48.1	•	70-130
	Carbon Tetrachloride	50.0	48.8	•	70-130
44	1,1-Dichloropropene	50.0	48.8		170-1301
	Benzene	50.0	49.5		70-130
	1,2-Dichloroethane	50.0 [	50.5	•	70-130
	Trichloroethene	50.0	48.8	•	70-130
	Methyl Cyclohexane	50.0	50.6	*	70-130
	1,2-Dichloropropane +	50.0	50.4	•	70-130
55	Dibromomethane	50.0	50.8	101.55	70-130
		ll.		l	.11

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Data File: /var/chem/msv11.i/2110115.s.b/a8944.d Report Date: 16-Jan-2011 09:52

	CONC	CONC	<del>ૄ</del>	1
SPIKE COMPOUND	ADDED	RECOVERED	RECOVERED	LIMIT
	ug/L	ug/L		10
				.1
58 Bromodichloromethane	50.0	49.7	99.38	170-13
62 2-Chloroethyl vinyl ether	50.0	48.1	96.20	160-14
63 cis-1,3-Dichloropropene	50.0	49.7	99.46	70-13
65 4-methyl-2-pentanone	50.0	48.9	97.80	160-14
70 Toluene +	50.0	50.2	100.32	70-13
66 trans-1,3-Dichloropropene	50.0	51.9	103.74	170-13
67 1,1,2-Trichloroethane	50.0	47.9	95.76	170-13
78 Tetrachloroethene	50.0	48.3	96.52	170-13
71 1,3-Dichloropropane	50.0	48.8	97.70	170-13
73 2-Hexanone	50.0	56.2	112.45	160-14
72 Dibromochloromethane	50.0	48.2	96.38	70-13
74 1,2-Dibromoethane(EDB)	50.0	48.2	96.33	170-13
85 Chlorobenzene ++	50.0	50.8	101.52	170-13
88 Ethylbenzene +	50.0	48.2	96.33	170-13
82 1,1,1,2-Tetrachloroethane	50.0	50.8	101.60	70-13
89 p,m-Xylene	. 100.1	98.5	98.54	170-13
93 o-Xylene	50.0	50.0	99.98	70-13
91 Styrene	50.0	51.8	103.63	17.0-13
90 Bromoform ++	50.0	51.3	102.66	170-13
96 Isopropylbenzene	50.0	48.4	96.78	170-13
98 Bromobenzene	50.0	50.6	101.28	170-13
92 1,1,2,2-Tetrachloroethane++	50.0	51.4	102.74	170-13
100 n-Propylbenzene	50.0	50.3	100.67	170-13
94 1,2,3-Trichloropropane	50.0	47.3		70-13
95 trans-1,4-Dichloro-2-Butene	50.0	53.2	106.40	60-14
101 2-Chlorotoluene	50.0	50.3 <b> </b>		70-13
104 1,3,5-Trimethylbenzene	50.0	50.3		70-13
102 4-Chlorotoluene	50,0 j	50.0	100.09	170-13
105 tert-butylbenzene	50,0 [	49.5	98.96	
106 1,2,4-Trimethylbenzene	50.0	51.0		
107 sec-Butylbenzene	50.0	50.3		170-13
108 1,3-Dichlorobenzene	50.0	50.1	100.12	170-13
111 p-Isopropyltoluene	50.0	52.4	104.81	
110 1,4-Dichlorobenzene	50.0	50.5	100.96	
114 n-Butylbenzene	50.0		101.92	
113 1,2-Dichlorobenzene	50.0	· · · · · · · · · · · · · · · · · · ·	99.53	
115 1,2-Dibromo-3-Chloropropane	50.0		100.45	
116 1,2,4-Trichlorobenzene	50.0	55.7	111.45	
118 Hexachlorobutadiene	50.0	54.9	109.81	
117 Naphthalene	50.0	50.8	101.64	
119 1,2,3-Trichlorobenzene	50.0	55.0	110.09	
				I
		ı		•
	CONC	CONC	8	ı
SURROGATE COMPOUND	ADDED	RECOVERED	RECOVERED	LIMII

l.	CONC	1	CONC	1	왐	1
SURROGATE COMPOUND	ADDED	1	RECOVERED	1	RECOVERED	LIMITS
l I	ug/L	1	ug/L	1		1
		_ _	* <u>*</u>	1_		.
\$ 39 Dibromofluoromethane	50.0	1	50.4	1	100.89	77-127
l	·	_1_	· · · · · · · · · · · · · · · · · · ·	1_		.11

Data File: /var/chem/msv11.i/2110116.s.b/a8959.d

Report Date: 16-Jan-2011 09:58

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### GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Injection Date: 16-JAN-2011 08:59 Instrument ID: msvll.i

Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011
Init. Cal. Times: 11:09 13:06 Lab File ID: a8959.d

Analysis Type: WATER Lab Sample ID: 1400 Quant Type: ISTD Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

•		١	1		1	CCAL	MIN	1		l	MAX	1 1
COMPOUND	•	RRF	/ AMOUNT	RF50	1	RRF50	RRF	<b>%</b> D	/ %DRIFT	<b>%</b> D /	*DRIFT	CURVE TYPE
	*****	-			==   ===				*****			=========
4 1-3 Butadiene		1	55.51012	50.000	100	0.3028	010.01	1	11.02024	1 4	0.00000	Linear
12 Ethyl Ether	i	1	0.23958	0.2323	33	0.23233	3 0.01	ו	~3.02595	4	0.00000	Averaged
17 Allyl chloride		1	0.290401	0.2912	25	0.2912	5 0.010	)	0.29431	4	0.00000	Averaged
15 tert-Butyl Alcohol		1	45.837821	50.0000	100	0.0219	5 0.01	) [	-8.32436	4	0.00000	Linear
10 Acetonitrile		I	0.033221	0.0332	105	0.03320	010.01	) I	-0.06665	1 4	0.00000	Averaged
28 Isopropyl Ether		ı	0.845401	0.8332	231	0.83323	310.01	1	-1.43920	4	0.00000	Averaged
27 Chloroprene		1	0.36676	0.3804	181 -	0.38048	3 0.01	)	3.74008	4	0.00000	Averaged
31 sec-butanol	. )	1	++++	0.210	581	0.21068	310.01	j	++++	4	0.00000	Averaged
53 Ethyl Acetate	( )	1	2061	25	501	0.28241	10.01	11	-17.66793	4	0.00000	Quadratic
35 Tetrahydrofuran		ŀ	225	. 25	501	0.10729	0.010	) [	-9.92414	4	0.00000	Linear
54 2,2,4 Trimethylpentane		ı	0.78729	0.7862	22	0.78622	210.010	) I	-0.13576	4	0.00000	Averaged
24 Propionitrile		}	0.038651	0.0396	581	0.03968	3/0.010	) ]	2.65152	4	0.00000	Averaged
30 Methylacrylonitrile		1	0.16707	0.1659	971	0.16597	10.010	1	-0.654401	4	0.00000	Averaged
34 Isobutyl Alcohol		1	222	25	100	0.01115	0.010	η.	-11.31290	4	0.00000	Linear
40 n-Butanol		1	44.293661	50.0000	100	0.03777	10.010	11 -	-11.41268	4	0.00000	Linear
48 2-3 Dichloro-1-Proprene		1	50.16647!	50.0000	100	0.38974	10.010	) į	0.33294	3	0.00000	Linear
52 Methyl methacrylate		1	48.45581	50.0000	100	0.25019	0.010	) [	-3.088381	4	0.00000	Linear
51 1,4- Dioxane		1	1146	125	50	0.00219	0.010	)]	-8.30536	4	0.00000	Linear!
49 2-Nitropropane		1	0.07415	0.0771	.91	0.07719	0.010	1	4.09757	4	0.00000	Averaged
64 Ethyl Methacrylate		1	47.25174	50.0000	100	0.63764	10.010	ij	-5.49651	4	0.00000	Linear
59 1-Nitropropane		1	49.398891	50.0000	100	0.04523	310.010	1]	-1.202221	4	0.0000	Linear
76 Cyclohexanone	4	1	79.454191	10	101	0.15766	0.010	١ -	-20.54581)	4	0.00000	Linear
34 Pentachloroethane		1	0.449081	0.4330	18	0.43308	10.010	1	-3.56159	4	0.00000	Averaged
112 Dicyclopentadiene		I	3.012071	3.0434	7	3.04347	10.010	1	1.04233	4	0.00000	Averaged
99 Benzal Chloride		1	101	10	0	0.10491	10.010	4	1.13409	4	0.000001	Quadratic
		1	1		1		1	i	1		ı	ı

Data File: /var/chem/msv11.i/2110116.s.b/a8960.d

Report Date: 16-Jan-2011 09:58

#### GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv11.i Injection Date: 16-JAN-2011 09:23

Lab File ID: a8960.d Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011

Analysis Type: WATER Init. Cal. Times: 11:09 13:06

Lab Sample ID: 1400 Quant Type: ISTD Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

•	11	1	CCAL   MIN   MAX
COMPOUND	RRF / AMOUNT	RF50	RRF50   RRF  %D / %DRIFT %D / %DRIFT CURVE T
W		=======================================	######################################
1 Dichlorodifluoromethane	44.13244	50.000001	0.23942 0.010   -11.73512  40.00000  Line
2 Chloromethane ++ -	44.536281	50.000001	0.24629 0.100  -10.92744  30.00000  Lin
3 Vinyl Chloride +	0.390641	0.35754	0.35754 0.010  -8.47177  20.00000  Average
5 Bromomethane	45.44299	50.000001	0.23083 0.010
6 Chloroethane	! 0.19846]	0.18568	0.18568 0.010  -6.43782  30.00000  Average
9 Trichlorofluoromethane	46.31518	50.000001	0.35428 0.010  -7.36965  30.00000  Line
13 1,1-Dichloroethene +	1 46.429561	50.000001	0.21643 0.010  , -7.14088  20.00000  Line
21 Carbon Disulfide	1 45.308571	50.00000	0.63087 0.010  -9.38285  30.00000  Lin
19 1,1,2Trichlotrifluoroethane	47.29173	50.000001	0.22626 0.010  -5.41653  30.00000  Line
14 Methyl Iodide	0.308141	0.28971	0.28971 0.010  -5.98149  30.00000  Avera
8 Acrolein	0.01283	0.015941	0.01594 0.010  24.22432  40.00000  Average
18 Methylene Chloride	0.35966	0.31829	0.31829 0.010  -11.50132  30.00000  Avera
11 Acetone	0.10473	0.11918	0.11918 0.010  13.79150  40.00000  Average
22 trans-1,2-Dichloroethene	45.84145	50.000001	0.32707 0.010  -8.31710  30.00000  Line
20 Methyl Acetate	0.190671	0.19657)	0.19657 0.010  3.09376  30.00000  Avera
32 Hexane	1 48.044991	50.000001	0.49058 0.010  -3.91003  30.00000  Line
25 MTBE	47.414461	50.000001	0.74072 0.010  -5.17108  30.00000  Line
26 1,1-Dichloroethane ++	1 47.231531	50.000001	0.44742 0.100  -5.53693  30.00000  Line
16 Acrylonitrile	1 0.076531	0.078891	0.07889 0.010  3.08244  40.00000  Avera
29 Vinyl Acetate	0.328181	0.353571	0.35357(0.010) 7.73441  40.00000  Average
23 cis-1,2-Dichloroethene	1 46.507451	50.000001	0.33089 0.010  -6.98509  30.00000  Line
38 2,2-Dichloropropane	0.400881	0.379561	0.37956 0.010  -5.31845  30.00000  Average
36 Bromochloromethane	0.14591	0.13394	0.13394 0.010  -8.20310  30.00000  Average
45 Cyclohexane	0.447701	0.433421	0.43342[0.010] -3.19049[ 30.00000[ Average
37 Chloroform +	1 47.325551	50.000001	0.44847[0.010] -5.34891[ 20.00000] Line
46 Carbon Tetrachloride	0.334241	0.314631	0.31463 0.010  -5.86808  30.00000  Average
\$ 39 Dibromofluoromethane	0.24071	0.23985	0.23985 0.010  -0.35640  30.00000  Average
43 1,1,1-Trichloroethane	0.413611	0.38300	0.38300 0.010  -7.39958  30.00000  Average
33 2-Butanone	55.978301	50.000001	0.15144[0.010] 11.95661 40.00000 Line
44 1,1-Dichloropropene	46.946011	50.000001	0.34658 0.010  -6.10798  30.00000  Line
47 Benzene	1 46.658541	50.000001	1.05427[0.010]   -6.68292  30.00000  Line
\$ 41 1,2-Dichloroethane-d4	0.15419	0.14776	0.14776 0.010  -4.16793  30.00000  Average
42 1,2-Dichloroethane	0.38071	0.354381	0.35438 0.010  -6.91701  30.00000  Average
61 Methyl Cyclohexane	47.33421	50.000001	0.42431[0.010] -5.33158[ 30.00000] Line
57 Trichloroethene	1 45.652461	50.000001	0.26586 0.010  -8.69509  30.00000  Line
2. Illouror occuenc	1 -3.03240	30.000001	5.2556[5.425] 5.65567

Data File: /var/chem/msv11.i/2110116.s.b/a8960.d

Report Date: 16-Jan-2011 09:58

# GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv11.i Injection Date: 16-JAN-2011 09:23

Lab File ID: a8960.d Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011

Analysis Type: WATER Init. Cal. Times: 11:09 13:06

Lab Sample ID: 1400 Quant Type: ISTD Method: /var/chem/msvl1.i/2110116.s.b/8260bwl1.m

1	11	ł	CCAL   MIN	j MA	rx l
COMPOUND	RRF / AMOUNT	RF50	RRF50   RRF   9	D / %DRIFT %D / %	DRIFT CURVE TYPE
55 Dibromomethane	0.169971	0.15794;	0.15794 0.010	-7.07593  30.	00000  Averaged
56 1,2-Dichloropropane +	46.98319	. 50.000001	0.26391 0.010	-6.03361  20.	00000  Linear
58 Bromodichloromethane	0.37103	0.35145	0.35145 0.010	-5.277941 30.	00000  Averaged
M 80 Total 1,2-Dichloroethene	92.348901	100	0.32898 0.010	-7.65110  30.	00000  Linear
60 1-Bromo-2-chloroethane	47.66821	50.000001	0.04150 0.001	-4.66357] 30.	00000  Linear
62 2-Chloroethyl vinyl ether	42.17605	50.00000	0.02376[0.010]	-15.647911 40.	00000  Linear
63 cis-1,3-Dichloropropene	0.449481	0.43032	0.43032 0.010	-4.26415  30.	00000  Averaged
\$ 68 Toluene-d8	2.544361	2.467021	2.46702 0.010	-3.03987  30.	00000  Averaged
70 Toluene +	48.403081	50.000001	2.91952 0.010	-3.19385  20.	00000  Linear
65 4-methyl-2-pentanone	52.855531	50.000001	0.28930 0.010	5.71105  40.	00000  Linear
78 Tetrachloroethene	0.57317	0.539541	0.53954 0.010	-5.86643  30.	00000  Averaged
66 trans-1,3-Dichloropropene	0.41818	0.403421	0.40342 0.010	-3.53014  30.	00000  Averaged
67 1,1,2-Trichloroethane	0.659491	0.61840	0.61840 0.010	-6.23166  30.	00000  Averaged
72 Dibromochloromethane	0.714281	0.696281	0.69628[0.010]	-2.52018  30.	00000  Averaged
71 1,3-Dichloropropane	1.14614	1.072631	1.07263[0.010]	-6.41324  30.	00000  Averaged
174 1,2-Dibromoethane(EDB)	0.65753	0.61516	0.61516 0.010	-6.443691 30.	00000  Averaged
173 2-Hexanone	[ 60.53416]	50.000001	0.56685 0.010	21.068331 40.	00000  Linear
86 1-Chlorohexane	45.27241	50.00000	0.31722 0.010	-9.455181 30.	00000  Linear
85 Chlorobenzene ++	48.78353	50.000001	1.82982 0.300	-2.432951 30.	00000  Linear
88 Ethylbenzene +	1.062841	1.00941	1.00941 0.010	-5.02668  20.	00000  Averaged
[82 1,1,1,2-Tetrachloroethane	48.92515	50.000001	0.61833 0.010	-2.14970  30.	00000! Linear
89 p,m-Xylene	95.80231	100	1.22458 0.010	-4.19769  30.	00000  Linear
M 87 1-3 Dichloropropene total	0.433831	0.41687	0.41687[0.010]	-3.91039  30.	00000  Averaged
93 o-Xylene	47.52789	50.000001	1.14222[0.010]	-4.94422  30.	00000  Linear
91 Styrene	1 1.967751	1.97896	1.97896 0.010	0.56943  30.	00000  Averaged
90 Bromoform ++	0.463921	0.497261	0.49726 0.100	7.18722  30.	00000  Averaged
96 Isopropylbenzene	47.824681	50.000001	2.96875 0.010	-4.35064  30.	00000  Linear
\$ 97 Bromofluorobenzene	0.70818	0.72451	0.72451 0.010	2.304751 30.	00000  Averaged
98 Bromobenzene	48.582001	50.000001	1.22244 0.010	-2.836001 30.	00000  Linear
100 n-Propylbenzene	48.50483	50.000001	3.59279 0.010	-2.990331 30.	00000  Linear
92 1,1,2,2-Tetrachloroethane++	57.923321	50.000001	0.90674 0.300	15.84664  30.	00000  Linear
101 2-Chlorotoluene	1 49.253001	50.000001	2.14676 0.010	-1.49399; 30.	00000) Linear
94 1,2,3-Trichloropropane	0.740271	0.740701	0.74070 0.010	0.058221 30.	00000  Averaged
104 1,3,5-Trimethylbenzene	48.46722	50.000001	2.53744 0.010	-3.06556  30.	00000  Linear
95 trans-1,4-Dichloro-2-Butene	55.23954	50.000001	0.25284 0.010	10.47909  40.	00000  Linear
I `		1			

Data File: /var/chem/msv11.i/2110116.s.b/a8960.d

Report Date: 16-Jan-2011 09:58

GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

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Injection Date: 16-JAN-2011 09:23

Law file ID: a8960.d Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011

Analysis Type: WATER Init. Cal. Times: 11:09 13:06

Lab Sample ID: 1400 Quant Type: TSTD

Method: /var/chem/moul1 Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

•1	l	, 1	ı	CCAL [ MIN ]		MAX	1
COMPOUND	RRF	/ AMOUNT	RF50	RRF50   RRF  %	/ %DRIFT %D	/ %DRIFT!	CURVE TYPE
1					====== ==		
102 4-Chlorotoluene	ı	48.76687	50.00000	2.26106 0.010	-2.466261	30.000001	Linear
105 tert-butylbenzene	ı	47.81706	50.00000	1.33898 0.010	-4.365881	30.000001	Linear
106 1,2,4-Trimethylbenzene	1	48.30595	50.000001	2.61440 0.010	-3.388091	30.000001	Linear
107 sec-Butylbenzene	1	48.546691	50.000001	3.10886 0.010	~2.90663	30.000001	Linear
111 p-Isopropyltoluene	I	47.92295	50.00000	2.51972 0.010	-4.154091	30.000001	Linear
108 1,3-Dichlorobenzene	1	49.056961	50.00000	1.48427 0.010	-1.88608	30.000001	Linear
110 1,4-Dichlorobenzene	I	49.24021	50.000001	1.54775 0.010	-1.51958)	30.000001	Linear
114 n-Butylbenzene	1	48.18701	50.000001	2.28508 0.010	-3.625981	30.000001	Linear
113 1,2-Dichlorobenzene	1	49.89651	50.000001	1.43588 0.010	-0.206981	30.000001	Linear
JM 120 TOTAL XYLENE	1	1431	150	1.25398 0.100	-4.446531	30.000001	Linear
1115 1,2-Dibromo-3-Chloropropane	1	55.970411	50.000001	0.17577 0.010	11.940821	40:000001	Linear
118 Hexachlorobutadiene	1	47.849791	50.000001	0.24075 0.010	-4.300421	30.000001	Linear
116 1,2,4-Trichlorobenzene	1 .	50.18815	50.000001	0.73548 0.010	0.37631	30.000001	Linear
117 Naphthalene	ł	51.68520	50.00000	1.80285[0.010]	3.37041	30.000001	Linear
119 1,2,3-Trichlorobenzene	1	52.54682	50.000001	0.59440 0.010	5.09365	30.00000)	Linear!
	1				<u> </u>		1

GCAL, Inc.

#### INITIAL CALIBRATION DATA

: 07-JAN-2011 11:14 Start Cal Date : 07-JAN-2011 20:23 End Cal Date

Quant Method : ISTD Target Version : 3.50 Integrator : HP RTE

: /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo Method file

Cal Date

#### Calibration File Names:

Level 1: /var/chem/msv5.i/2110107p.s.b/k9759.d Level 2: /var/chem/msv5.i/2110107p.s.b/k9761.d Level 3: /var/chem/msv5.i/2110107p.s.b/k9762.d Level 4: /var/chem/msv5.i/2110107p.s.b/k9763.d Level 5: /var/chem/msv5.i/2110107p.s.b/k9764.d Level 6: /var/chem/msv5.i/2110107p.s.b/k9760.d Level 7: /var/chem/msv5.i/2110107p.s.b/k9758.d

											_
	1 5	1 20	1 50 1	100	1 200	10	1 -		Coefficients		%RSD
Compound	[ Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	р	m1	- m2	or R^2
	1 1		·				1				
· · · · · · · · · · · · · · · · · · ·	Level 7	.		*== · =	' ereseren d	·			-, .		
	===   ========		====================================		========					*=*======	*=======
1 Dichlorodifluoromethane	0.182	13! 0.18215	0.18824	0.18705	0,17952	0.15569	l .	**	1 1		
	0.213	35	1	l	<b>l</b> 1	l .	AVRG		0.18402		9.19371
	<del>-</del> -						1		-1		
2 Chloromethane ++	0.166	•	0.16114	0.16824	0.18074		•		1 1		0 4040
·	0.185		  -	 	! !		AVRG	: !=	0.16561		8.63632
3 Vinyl Chloride +	0.187	•	' '		•		•		-,,		
	0.201	•	1		ĺ		AVRG		0.18701		6.43838
	\	\	- (		l	<b>-</b>	۱ <i></i>		-		
4 1-3 Butadiene	0.176	50  0.16735	0.14966	0.16469	0.16592	0.19302	I	!	i i		ı
• •	++++	1	1	I	1	I	AVRG	İ	0.16952		8.4933
		1	-					~~~~	-11		
		1	-1	l	l	l <u></u>	I		_  .		l <u></u> _

### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

·		•			·						
Compound	1 5 1	20   Level 2	50 i	, 100   Level 4	200     Level 5	10 Level 6	l i		Coefficients ml	m2	%RSD     or R^2
·			[								
	Level 7	, I	 	1			1 1				1 1
5 Bromomethane	0.08290	•	'			0.07734					-           12.53249
8 Chloroethane	1 10252	38322	98413	194104	' '		1 1	-0.02138	1 1		0.99981
9 Trichlorofluoromethane	0.245151		0.24334	0.23304	i · i		AVRG		1 0.238521		8.16413
28 2-Chloropropene	+++++     +++++	++++   		+++++	+++++   ! !	++++			0.000e+00		0.000e+00
10 Ethyl Ether	0.11804	0.10653	0.10162	0.10317	0.10023	0.09822	, ,		0.10374		1 6.68560
160 Ethanol	   +++++     +++++	++++	+++++   	+++++	' +++++   	++++	AVRG		0.000e+00		   0.000e+00
11 1,1-Dichloroethene +	0.12894		0.13148	0.12551		0.11487			0.12971		   8.20527
	 		 	<del></del>	 		.     .				-  <del></del> _

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### GCAL, Inc.

#### INITIAL CALIBRATION DATA

	J 5 I	20	50 I	100 .	200 I	10	1	c	oefficients		%RSD
Compound	Level 1		Level 3			Level 6	Curve	b .	m1 .	m2	or R^2
	1   Level 7	   	           		 						. 
12 Carbon Disulfide	493671 141091	178308  	434865  	927322  	1867243    I	85501	LINR	1 0.00780	0.44123		0.9991
13 1,1,2Trichlotrifluoroethane	0.134141	0.14195	0.13944	'	' .	0.12795	        AVRG	,   	0.13878		l 1 6.7028
14 Methyl Iodide	73141	384931	•	2989081	6228461	16380	  LINR	0.09612	0.14977		l   0.998
15 Acrolein	+++++	0:01960	1	· 002058)	0.02068	0 . 019.67.	I I	! ! !	0.02003		1 2.775
16 Allyl chloride	0.159461	0.13949	'	0.13741	0.12923    0.12923	0.13951			0.14511		1 13.820
17 Methylene Chloride	0.203861	0.20276		0.19148	0.18840	0.19041	AVRG		0.20164		9.105
18 Acetone	0.140821	ı	0.10709    	0.10867	0.10353	0.13700	I  AVRG	   	0.11954)	·	   13.423
	1		1							·	-

### GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5     Level 1	20   Level 2	50   Level 3	100   Level 4	200   Level 5	10 Level 6	  Curve	ь	Coefficients ml	m2	%RSD   or R^2
	   1     Level 7	     	   	   			{				l 
19 trans-1,2-Dichloroethene	0.21121	0.20017  	•	0.20508	0.20267  	0.18840	  AVRG		0.21225	•	 
20 Methyl Acetate	0.21196    +++++		0.20887	0.18980	0.18838	0.21908	I I				T.0968
21 Hexane	0.17270	0.14172(			0.14692(	0.12447	(  AVRG		0.14719	•	1 10.5432
22 MTBE	0.45339	0.444131	1	0.44744		0.41539			0.457771		1 10.3113
23 tert-Butyl Alcohol	0.02411	0.028261		0.02428	0.02393 j	0.02585	AVRG		0.02551		6.762
24 Acetonitrile	0.03745    +++++	0.03667			0.03280    0.03280	0.03693	AVRG		0.034661		7.5441
25 Isopropyl Ether	0.58455		0.56153	0.60192					0.598301		1 4.244
	_		I		 		 		·		· [

### GCAL, Inc.

### INITIAL CALIBRATION DATA

	TI	NITIAL C	ALIBRAT	ION DATA	Α ·						
nd Cal Date : 07-J.  vant Method : ISTD  arget Version : 3.50  ntegrator : HP R  lethod file : /var	/chem/m			s.b/826	0Bw5.m					·	
								<u> </u>			
Compound !	5   Level 1	20 ·  . Level 2	,	,			  Curve		Coefficients ml	m2	i %RSD   or R^2
•	1   Level 7	•		-   	<u></u> 1		 				l 1 I
26 Chloroprene	0.22145  0.28334	0.21048	0.204431 I	0.21511	0.21784	0.21774	I  AVRG		0.22434	. 41	   11.86180
27 1,1-Dichloroethane ++	0.28306	0.30126	0.29772    	. 0.29676	0.30246	0.30360	  AVRG	· .	l i 0.30272j		   5.11496
29 Acrylonitrile	0.09118	0.089831	0.09378  	0.09558	0.096741	0.08846	I   AVRG		i i		   3.78952
161 Ethyl-tert butyl ether=	+++++	  = ++++ -  	+++++-==		+++++ =   	. ++++	   AVRG	- <del></del>	0.000e+00		0.000e+00
30 Vinyl Acetate	0.38294	0.37902	0.37621	0.38821	0.39929	0.35737	  AVRG	I .	0.37585		   4.71466
61 Total 1,2-Dichloroethene	0.22545	0.21939	0.22454	0.22547	0.22112	0.21079	I I AVRG		0.22881		9.16269
	0.23969		0.238481		0.239571				-1		1 .

### GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2
Cal Date : 12-Jan-2011 10:50

: /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo

	1 5 1	20	50 i	100 . i	200 1	10	1 1	<del></del>	Coefficients		i %RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5		Curve	þ	ml	m2	or R^2
	1     Level 7	   	 				] ·			: ,	] 
32 2,2-Dichloropropane	0.27516	0.26128		0.26402	0.25365  	0.25833	AVRG			; .	1 11.2183
34 Cyclohexane	0.26245	0.24785	0.25640	0.25827	0.26075  	0.22756	        AVRG		1 0.260081		9.2293
33 Bromochloromethane	0.09191		0.088971	0.08393	•	0.09348			0.088361		5.2031
35 Chloroform +	0.33850	•	0.31744	0.31477	0.31648		AVRG		1 0.320691		1 2:5280
36 Carbon Tetrachloride	0.22895		0.21750!	0.21535			AVRG		0.21459		   5.3391
37 Ethyl Acetate	0.32030	- i		0.32206		0.29913	        AVRG		0.31050		8.1390
38 Tetrahydrofuran	0.11891	0.12099	,		' '			<del></del>	0.11417		7.4246
					 		 		-		

#### GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

	1 5 1	20	50 (	100	200	10	1 1		Coefficients	· <del></del>	%RSD
Compound	Level 1	Level 2	Level 3	Level 4.		Level 6	Curve		m1	m2	or R^2
	1   Level 7	   					[	 		·	 
40 1,1,1-Trichloroethane	0.27233	0.27410  	•	• •		0.25044		 I.	l 1 0.27266		   7.72783
41 sec-Butanol	0.03000    +++++		0.02893¦	0.02830	•	0.03629	AVRG		0.02999	I	1 10.63226
159 Heptane	, +++++     +++++	+++++	· +++++	++++		++++	AVRG	i I	0.000e+00	i ·	1 0.000e+00
42 2-Butanone -	0.18332		0.18615	0.18224	0.18842	0.18800	  AVRG		0.19467		12.9110
43 1,1-Dichloropropene	0.24724		0.24894	0.25655	0.25105		  AVRG	   	0.25289	   	1 5.6262
44 2-2-4 trimethyl Pentane	57497    ++++	170202	404981	833005	1547297   1547297		  LINR	-0.06525	0.36160	     	0.9986
62 tert-butyl formate	+++++     +++++	+++++	. +++++	+++++	<u> </u>	+++++ 	  AVRG	<del></del>	0.000e+00	   	l 0.000e+0
·	[ [	l				<del>-</del>	1			- <del></del>	1

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Report Date: 19-Jan-2011 15:36

# GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14 End Cal Date : 07-JAN-2011 20:23

Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

					·						
	j 5 j	20 !	50 J	100	200	10	1	•	Coefficients		
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1 1	\		i			) , ,				1 .
	Level 7	,	í	•	, 		, , 				,
	=== ======			=========	=======================================		=====	Barress	=======================================		
45 Benzene	0.699341		0.67001	0.68875	0.689701				1 - 1		1
	0.83929	1			 		AVRG		0.71305		8.00816
46 Propionitrile	0.04468}	0.04815	0.047331	0.04783			'				1
	0.033131		ì		1		AVRG (		0.045161	•	1 12.13737
	1		1		•		, ,		!!-		
47 Methacrylonitrile	0.19429		0.19753	0.20452	0.18953		J J IAVRG (	,	l 0.208221		   14.24787
			 		! {{						\
163 tert amyl methyl ether	1 +++++ 1	+++++	+++++	+++++	·   . +++++	+++++			i i		į
	+++++	I	i 1		l , l		AVRG		0.000e+00		( 0.000e+00
49 1,2-Dichloroethane	0.295571	0.27625	0.267841	0.26978	0.26215	0.24877			-		1
49 1,2-Dichioroethane	0.293371		1 0.20,04)	0.20310	1 0.202131		AVRG !		0.276571		. 8.07381
			 						11-		
50 Isobutyl Alcohol	0.01620	0.01472	0.01653	0.01620	0.01596				1 1		1
	+++++		1	•	!	 	AVRG		0.016061		4.41068
164 tert amyl alcohol		+++++	   +++++	+++++	   +++++	:   +++++					.   . J.
20. 0110 0	+++++				1		AVRG		0.000e+00		0.000e+00
	( {				1		(		-	<u>-</u>	(
			ll		1	l <u></u>	.		II		-l'

### GCAL, Inc.

### INITIAL CALIBRATION DATA

•				•					-		
nd Cal Date : 07-Juant Method : ISTD arget Version : 3.50 ntegrator : HP Rethod file : /var		20:23 sv5.i/21	10107p.	s,.b/826	0Bw5.m						
	5	20	50 [	100	. 200 I	10	1. 1		Coefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	ъ.	m1	m2	or R^2
		 	 		 		! ! 				1 . 1
	Level 7	!	!	. !	j		J 1				1
53 Methyl Cyclohexane	0.20932	0.21324	,	0.21610						##23 pp 22:	
· .	0.25573	1		!	l		AVRG		0.21810		9.56744
54 Trichloroethene		0.16995	0.16489		'		, ,	<del></del>	·   		
	0.19390	. 1		i	i		AVRG		0.168411		7.49901
55 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		<del>-</del>			1
	+++++	1	!		I		AVRG		0.000e+00		0.000e+00
- 56 n-Butanol	0.01089	0.01165	- 0.01202	•			•	an-	-( <u>-</u> <u> -</u> -[	-	1
	0.008851			. !			AVRG		0.01116		9.90218
57 Dibromomethane	0.13527	0.135821	0.13043	0.13394			•	<del></del>	-1		-1
	0.164961	!	 	1	į		AVRG		0.13667		9.4227
58 2-3 Dichloro-1-Proprene	0.286231	0.30092	'				•	<del></del>	-{		
•	0.30252	1	· ·	1	(		AVRG	•	1 0.291711		2.57791
59 1,2-Dichloropropane +	0.17410	0.18784		•				<del></del>	-{- <del></del>		
	0.20105	. 1	j		. ]	,	AVRG	'	0.18521		4.91565
									-    -		-

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Report Date: 19-Jan-2011 15:36

#### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14

End Cal Date : 07-JAN-2011 20:23

Quant Method : ISTD

Target Version : 3.50

Integrator : HP RTE

Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m

Cal Date : 12-Jan-2011 10:50 rjo

	1 5 1	20	50	100 I	200	10	1 1		Coefficients		*RSD
Compound	Level 1	Level 2	Level 3 (	Level 4	Level 5	Level 6	Curve	þ	m1	m2	or R^2
	1 1 1		1				! ! ! !				1
	Level 7		.				 				1
60 Bromodichloromethane	0.258531	0.25689	•			0.25443	i i		1 1		i
	0.25081				 		{AVRG		0.25927		2.62217
62 Methyl methacrylate	0.17686	0.18825	0.200091	0.18648		0.18513	1 1		i i		i
~*	+++++   				 		AVRG		0.18792  		4.04126
68 1,4 Difluorobenzene	1 +++++ 1	+++++	+++++	+++++	·   +++++	+++++	i i		i i		İ
·	+++++   -		 		 		AVRG		0.000e+00  		0.000e+00
63 1,4- Dioxane	0.002321	0.00285	0.002621	0.00284	0.002851				1 1		
*~*	+++++     -		 		 		AVRG   		0.00273		8.0653 
88 Methyl Disulfide	+++++	+++++	++++	+++++	+++++	+++++	1 1		1 1		1
	+++++				 		AVRG   		0.000e+001 		0.000e+0
64 1-Bromo-2-chloroethane	0.28497		0.28543	0.30052	0.28717				!		l l 5,4656
~,	0.32559  -		 		: 		[AVRG		[		-()-
65 2-Chloroethyl vinyl ether	0.15151		0.16519	0.18072	0.18436		I				   9.3504
	-		 		 						-
			l <u></u>		11		.		_		

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# GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5     Level 1	20   Level 2	50   Level 3	100 Level 4	200   Level 5	10 Level 6	  Curve	b	Coefficients ml	m2	%RSD   or R^2
	1 1     Level 7	   	   	   	 						1 
66 cis-1,3-Dichloropropene	0.32915	0.32464			0.33732    0.33732	0.30590	        AVRG			CA223355	5.2318
69 Toluene +	1.62929	1.61655	1.54359	1.64003	1.61117  	1.49916	1    AVRG		1.63499		1 7.9260
6 1-3 Dichloropropene-Total	0.31828	0.32151	0.32659	0.33701	0.33431	0.30195	l I				   3.7597
70 2-nitropropane	0.078034	- 0.082554	. 1	0:09326	'   •0-09493  	0.08165	      AVRG	=-	0.08476	15	11.2065
71 4-methyl-2-pentanone	0.32255	0.34849	0.35361	0.35047	'	0.30936	I I [AVRG [				l 8.0035
72 Tetrachloroethene	0.242561	0.27033  	'	•	0.25558  	0.25100	I I I AVRG I		0.26000		ł 4.0866
73 trans-1,3-Dichloropropene	0.673071	0.68432	0.68318	0.71126	'	0.64824			0.69106		1 4.3747
	-    -	 			 	<b></b>	11				

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14 End Cal Date : 07-JAN-2011 20:23

Quant Method: ISTD
Target Version: 3.50
Integrator: HP RTE
Method file: /var/chem/msv5.i/211

: HP RTE : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo

	1 5 1	20 I	50	100	200	10	1	, Co	efficients		%RSD
Compound	Level 1	Level 2	Level 3	Level, 4	Level 5	Level 6	Curve	<b>b</b> .	m1	m2	or R^2
	1     Level 7	   	. I	· 1	 					<u></u>	 
74 Ethyl Methacrylate	0.57993	0.53014  	. '	0.54948	0.55699	0.48239	l    AVRG	I I	) 0.53023		8.23571
75 1,1,2-Trichloroethane	0.37680	0.38011	0.36565	0.39123	, ,	0.38129	  AVRG	· i	0.38294	·	i i i 3.08456
76 Dibromochloromethane	0.424851	0.42532	0.42815	0.45616	0.44729  	0.41457	1		0.43241		3.31489
7 Total Difluorobenzene	+++++     +++++	+++++   	+++++	++++	!    +++++	++++	   ·       AVRG		0.000e+00		
77 1,3-Dichloropropane	0.822251		0.73701	0.79763	I i		AVRG	•	0.774061	·	     4.33954
78 1-nitropropane	0.05167	0.06059	0.062101	0.05893	I I	0.04558	I I		0.05695	- <b></b>	l 1 12.04912
79 1,2-Dibromoethane(EDB)	0.41657	,	0.406591	0.44021			, ,		0.41417;		     4.25439
	- <del></del>   	/			 		i I i I	-   _	·		l

### GCAL, Inc.

# INITIAL CALIBRATION DATA

: 07-JAN-2011 11:14 : 07-JAN-2011 20:23

Start Cal Date : 07-JA
End Cal Date : 07-JA
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RA
Method file : /var/

: HP RTE : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo

Compound	· 5	20 ! Level 2	50   Level 3	100 Level 4	200     Level 5	10 Level 6	  Curve	b	Coefficients ml	m2	%RSD     or R^2
	l 1   Level 7	 	1		1 [	 	: [ 	· 			l I
81 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	========   	+++++	I   AVRG				   0.000e+00
165 3,3 dimethyl 1-butanol	; ++++	+++++     +++++		++++	   +++++ 	'   +++++	I   AVRG		0.000e+00	. •	   0.000e+00
80 2-Hexanone	0.49686		0.54164	0.57324	1	0.51311 	AVRG	i I			   6.65161
82.1-Chlorohexane	0.65285		İ		  - 0.49174 	0.49796	1	•	-  - 		      13.11151
84 Chlorobenzene ++	1.03383	0.99983    0.99983	0.95569  		1	0.97406	AVRG	   	1.01725		   4.98514
85 Ethylbenzene +	0.50839	. ,	0.49098		0.51565 		!   AVRG		-[          0.51567		 
86 1,1,1,2-Tetrachloroethane	0.36925				•				-           0.37291		     8.10461
	_				 	   <u></u>	<b></b> 	 	-   _  .		 

### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date
End Cal Date
Quant Method
Target Version
Integrator
Method file
Cal Date : 07-JAN-2011 11:14 : 07-JAN-2011 20:23 : ISTD

: 3.50 : HP RTE

: /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo

·	1 5 1	20	50	100	200	10		<b>T</b> .	Coefficients	*RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve  	ь	m1 . m2	or R^2
	1 1	İ	. į		İ				•	1
	Level 7	.   	BD===0=====		=======================================		[====			    ========
87 p,m-Xylene	0.59849	•	0.589231	0.655971	0.65094	0.56374		•	T	1
	0.66451		 		 	•	AVRG		0.61968  	6.1919
89 o-Xylene	0.58431		0.60511	0.64691	•				1	1
	0.63074	!!!	. !				AVRG		0.610481	5.176
90 Styrene	0.97718	1.04843	1.05187				' '			·\
	1.02756		· .				AVRG		1.06888	6.282
91 Bromoform ++	0.29801	0.31469	0.309061	0.34065	0.33337	0.30456		<del></del>		·
	0.23229	1	i 1	. !	ļ.		AVRG		0.304661	11.621
92 1,5 Cyclooctadiene	+++++	   +++++	+++++	+++++	   +++++	+++++				
	+++++	]	1,7,7,7,				AVRG	<u>.</u>	0.000e+001	0.000e+
93 Isopropylbenzene	1.41166	1.50717	   1.491831	1.60660	   1.62216		1	<del></del> -		·
	1.57965	<b>i</b> i					AVRG	•	1.50981	1 6.760
95 n-Propylbenzene	2.45732	   2.30461	   2.29504	2.40271	   2.42438		•	 		·/ 
•	2.72316		I		ı i		AVRG	I	2.40215	6.910
								<del>-</del>		

GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2

: /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo

Compound	5     Level 1	20   Level 2	50   Level 3	100   Level 4	200   Level 5	10 Level 6	  Curve	<b>b</b>	Coefficients ml	m2	%RSD   or R^2
	l Level 7	! ! 	)   	! !			1				! !
96 Bromobenzene	1.17356	1.08521		1.06923	1.05722	1.07848	I   AVRG	  -  -	1.12498	.0986.2528	l 10.49305
97 1,1,2,2-Tetrachloroethane++	0.95186	0.89007	0.850061	0.86506	0.84873 ₁		IAVRG	. 	0.88301		     4.04548
98 2-Chlorotoluene	1.78147		. i	1	1.74362		  AVRG	! 	1.72098		   5.40754
99 1,3,5=Trimethylbenzene	1.43821	1.41905	1.43637   -	1.50853		1.36069	l = = =  AVRG		1.434061		
100 1,2,3-Trichloropropane	1.23635	1.15914	i i		1.16283	1.13242	  AVRG	   	[		1 3.47092
101 trans-1,4-Dichloro-2-Butene	0.30333	0.29083	,	0.28172	0.28793    0.28793		  AVRG				1 12.25099
102 Cyclohexanone	0.11477		0.11696	0.11078			•	   	0.11253		l 6.97740
	·		 		 			   <u></u> -	 		

### GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14

End Cal Date : 07-JAN-2011 20:23

Quant-Method :—ISTD

Target Version : 3.50

Integrator : HP RTE

Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m

Cal Date : 12-Jan-2011 10:50 rjo

	1 5 1	20	50	100 {	200	10	1		Coefficients		1 %RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	ml .	m2	or R^2
	1 1	I		 			1 . I				1 , [
=======================================	Level 7	}					  =====				
114 2-ethyltoluene	++++	· · +++++	++++	+++++	,   <del>+</del> ++++	++++	i 1		11		1 1
· 	+++++	·     <del></del>	   <b></b> -		   <b></b>		AVRG		0.000e+00		0.000e+00
103 4-Chlorotoluene	1.56660	1.59562	1.55728	1.62404	•				i		( (
	1.68755		 		 		[AVRG		1.59957		3.406211
104 tert-butylbenzene	0.88449		0.89926	0.89207			. ,				1
· .	1 0.995621	 	 	 			AVRG		0.89384		5.62855[
105 Pentachloroethane	0.31894	0.27290	0.28610	0.28454	0.31718				1		
	0.29261	•	 	   <b></b>	 		AVRG		0.29737		[ 6.00609]
106 1,2,4-Trimethylbenzene	1.48837	'	'	1.53425	1		,		i i		-, <u>-</u> ,
	1 1.52667			 			JAVRG J		1.48996	·	3.836531
107 sec-Butylbenzene	1.70842	•	•		'						
	2.01734	 	l	 	l ;   		AVRG		1.78112		6.99172
108 p-Isopropyltoluene	1.29942		1						1		1
	1.43474	 	l (	<u> </u>	l. · ·		AVRG		1.34426		5.244741
	_	<b></b> :							·  -		

Page 17 Report Date: 19-Jan-2011 15:36

# GCAL, Inc.

### INITIAL CALIBRATION DATA

 Start Cal Date
 : 07-JAN-2011 11:14

 End Cal Date
 : 07-JAN-2011 20:23

 Quant Method
 : ISTD

 Target Version
 : 3.50

 Integrator
 : HP RTE

 Method file
 : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m

 Cal Date
 : 12-Jan-2011 10:50 rjo

	j 5 j	20 [	50	100	200	10		Coeffic	ients	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b ml	m2	or R^2
,	1 1				, 		!!!	•	•	1
	Level 7	· .		···	 		  -====			.
119 1-3 Diethylbenzene	+++++	++++	+++++	+++++	+++++	+++++	,, , ,	 I	1	I
	+++++		 		 	•	AVRG	0.000	•	0.000e+00
118 1-4 Diethylbenzene	,   +++++	++++	+++++	++++	,   +++++	·   +++++	I 1	i		i
	+++++   				, 	 	AVRG	0.000	e+00	0.000e+0
109 Dicylopentadiene	1.93689	2.05320	2.07844	2.18340	2.15803	•	•	Î	į	i
	2.02635		 		 	•	AVRG		19377   	4.7423 
113 3-ethyltoluene		- +++++-		+++++	= = ±++±+	•	•		ii.	
· 	+++++ .		 		 		AVRG		e+00  	0.000e+0
110 1,3-Dichlorobenzene	0.941241		0.90138	0.89758	0.90680	•		1	1	1
	0.91045  		 		 	   <del>-</del>	AVRG		9848  	2.9467 
112 1,4-Dichlorobenzene	0.938621		0.91764	0.95142	0.94630	•		1	  6162	
	1.071061		 		 	 	AVRG			-  5.1947 
124 TOTAL XYLENE	0.59376		0.594521	0.65295	0.64810				1 .	5 270
	0.653261		! 		 	 	AVRG		51661  	5.7704
			Ii		·	1	1			

# GCAL, Inc.

### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

· — · · · · · · · · · · · · · · · · · ·	j 5 j	20	50 I	100 l	200	10	1		Coefficients		%RSD
Compound	Level 1 !	Level 2	Level 3	Level 4	Level 5	Level 6	Curvel	b	ml	m2	or R^2
·	1 1			.	 		l, i I (				1 1
	Level 7			1	1		}				1
117 1-2 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	j    ±===≈*(		,		
·	+++++		·	!	 	 	lavrg		0.000e+00		0.000e+00
115 n-Butylbenzene	1.25687	1.22977	1.27974	1.35498	1.35383	1.13625			1		-   - <del></del> -
	1.31269	 		 		 	AVRG		1.27487		6.04895  
116 1,2-Dichlorobenzene	0.91239	0.85678	0.87200	0.87581	0.87732	0.75361	!!				1
· 	0.90045	 	 	 	 	 	AVRG		0.86405		6.030221
1 127 Total Diethylbenzene	+++++	   . ++++	+++++	   +++++	. ++++	. <del>++++</del>	, , 		i		1 1
	+++++	 	 		 	( 	AVRG		0.000e+00		0.000e+00  
120 1,2-Dibromo-3-Chloropropane	0.15451		0.17334	0.17251	0.17652	0.15610	1 ·		i i		1 1
·	0.13685	 	 	 	 	 	AVRG	<u></u>	0.16295		8.83937
128 2-methylnapthalene	+++++	++++	i +++++	++++	++++	)   :++++			1 1	:	1 1
·	. +++++   	 		 	1	 	AVRG		0.000e+00  		0.000e+00
121 Benzal Chloride	+++++	+++++ !	,   +++++	++++	! +++++	++++	 I 1		i i		i
	+++++	 	 	 	 	l	AVRG		0.000e+00  		0.000e+00
	j i			1 	1	1	1 . I		1 1	•	1 1

Report Date: 19-Jan-2011 15:36 Page 19

#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

<u> </u>		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	<u> </u>			· .	·		4
Compound	5   Level 1	20 ·   Level 2	50   Level 3	100   Level 4	200     Level 5	10 Level 6	  Curve		Coefficients ml	m2	%RSD   or R^2
	1   Level 7	 	 	(			! !				1 
122 Hexachlorobutadiene	0.17684	0.17605				0.16373	AVRG				3.34753
123 1,2,4-Trichlorobenzene	0.32969  0.42043		0.38323	0.41611		0.35496	!  AVRG	 	I I I I I I I I I I I I I I I I I I I		9.30543
125 Naphthalene	   1.11706    1.06028	ĺ			1.48753	1.09531	I  AVRG	' !			1 13.53402
126_1,2,3-Trichlorobenzene	   0.36033    0.35836	0.345031	ı		   0.39377  	= 0.31733	٠.		0.36051		1
\$ 39 Dibromofluoromethane	0.281461	1	ļ		1 1		AVRG	======================================	i 0.28030		
\$ 48 1,2-Dichloroethane-d4	0.17400	0.17405	'	0.17047		0.17010	I  AVRG	<del></del>			1.48445
\$ 67 Toluene~d8	2.08625  2.15291	2.08556  2.08556	2.01470	2.00578				   	1 2.06512		     2.63391
	 	 			 		 	l	-  · _  .	·	

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Report Date: 19-Jan-2011 15:36

#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

		· .				4-		·														_
1	1	5	1	20	1	50	1	100	1	200	ı	10	1	ı		Coeff	icients	s		1	*RSD	1
Compound	1	Level 1	- 1	Level 2	2	Level 3	1	Level 4	ı	Level 5		Level 6	Curv	e	b .		ml		m2	I	or R^2	1
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			1		1		1-		1				-	1						1	-	1
1	ı	1	. 1		- 1		- 1		- 1		ł		1.	1						ł		1
ţ	1	Level 7	- 1	•	1		1		- 1		ł		Í	1					•	1		l
*======================================			==		===	00 F2340 FE	==   =	********			=		-	= { =						- (		<b></b>
\$ 94 Bromofluorobenzene	- 1	0.595	180	. 0.584	1661	0.590	161	0.630	361	0.60515	l	0.57523	<b>3</b>	ı		1		i		1		1
1	- 1	0.583	92		. 1		1	•	1		Į		AVRG	;		] 0	.59494	ŧ		1.	3.0668	1,1
	!		i		1		-				ļ		-1	-1-		-				-1-		-4
	1_		I.				I_	·	1		۱_		. i	_!_			<del></del>	l		_ _		_1

Report Date: 19-Jan-2011 15:36

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GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14 End Cal Date : 07-JAN-2011 20:23

Quant Method : ISTD Target Version : 3.50 : HP RTE Intégrator

: /var/chem/msv5.i/2110107p.s.b/8260Bw5.m : 12-Jan-2011 10:50 rjo Method file

Cal Date

|Average %RSD Results. |Calculated Average %RSD = 7.08465 |Maximum Average %RSD = 15.00000 |* Passed Average %RSD Test.

Curve   Formula	- 1	Units	ī
	!-		۱:
Averaged   Amt = Rsp/m1	- 1	Response	1
Linear   Amt = b + Rsp/ml	l	Response	١
I <u></u> 1	1_		_1

Page 1

Data File: /var/chem/msv5.i/2110107.s.b/k9756.d

Report Date: 09-Jan-2011 13:30

GCAL, Inc.

#### RECOVERY REPORT

Client SDG: 2110107.s

Client Smp ID: APP9ICV

Fraction: VOA

Operator: JCK

SampleType: LCS

Quant Type: ISTD

Client Name:

Sample Matrix: LIQUID

Lab Smp Id: 1600

Level: LOW

Data Type: MS DATA

SpikeList File: app9icv.spk

Sublist File: APP9.sub

Method File: /var/chem/msv5.i/2110107.s.b/8260Bw5.m

Misc Info: MSV~20793~*1*JCK

		·			
		CONC	CONC	<b>8</b>	
SPIKE	COMPOUND	ADDED	RECOVERED	RECOVERED	LIMITS
		ug/L	ug/L	.	1
4	1-3 Butadiene	50.0	45.1	90.20	160-140
10	Ethyl Ether	250	317	126.74	160-140
16	Allyl chloride	50.0	55.1	110.23	60-140
23	tert-Butyl Alcohol	50.0	60.1	120.12	60-140
. 24	Acetonitrile	1. 200	270	134.79	160-140
25	Isopropyl Ether	50.0	47.8	95.50	160-140
26	Chloroprene	50.0	52.2	104.34	160-140
37	Ethyl Acetate	1 250	254	101.69	160-140
38	Tetrahydrofuran	1 250	237	94.97	160-140
41	sec-Butanol	50.0	58.1	116.26	60-140
44	2-2-4 trimethyl Pentane	50.0	52.3	104.69	60-140
46	Propionitrile	250	273	109.10	160-140
47	Methacrylonitrile	50.0	55.3	110.59	160-140
50	Isobutyl Alcohol	250	255	102.03	60-140
56	n-Butanol	250	263	105.02	160-140
58	2-3 Dichloro-1-Proprene	50.0	61.2	122.50	60-140
62	Methyl methacrylate	50.0	51.3	102.54	160-140
63	1,4- Dioxane	1250	1330	106.11	160-140
70	2-nitropropane	1 50.0	62.6	125.10	160-140
74	Ethyl Methacrylate	50.0	52.8	1. 105.52	160-140
78	1-nitropropane	50.0	63.6	127.24	60-140
92	1,5 Cyclooctadiene	50.0	0.00	NT *	160-140
102	Cyclohexanone	100	103	102.67	60-140
105	Pentachloroethane	1 50.0	51.3	102.51	60-140
109	Dicylopentadiene	50.0	59.2	118.36	160-140
121	Benzal Chloride	100	0.00	! NT 0.00*	160-140
		f		1	1

Page 1

Data File: /var/chem/msv5.i/2110107p.s.b/k9766.d

Report Date: 09-Jan-2011 13:41

#### GCAL, Inc.

#### RECOVERY REPORT

Client SDG: 2110107p.s

Client Smp ID: 8260ICV

Fraction: VOA

Operator: JCK

SampleType: LCS

Quant Type: ISTD

Client Name:

Sample Matrix: LIQUID

Lab Smp Id: 1600

Level: LOW

Data Type: MS DATA

SpikeList File: ICV.spk

Sublist File: 8260b.sub

Method File: /var/chem/msv5.i/2110107p.s.b/8260Bw5.m

Misc Info: MSV~20794~*1*JCK

	E 1	CONC	CONC	8	
SPIKE	COMPOUND	ADDED	RECOVERED	RECOVERED .   I	IMITS
		l ug/L	ug/L	1	
1	Dichlorodifluoromethane	50.0	66.1	132.12   6	0-140
	Chloromethane ++	50.0	54.8		
	Vinyl Chloride + "	50.0		102.64   7	
	Bromomethane	50.0	55.9	111.79   6	0-140
8	Chloroethane	50.0	54.0	1 108.00 17	0~130
. 9	Trichlorofluoromethane	50.0	52.0	103.95  7	0-130
11	1,1-Dichloroethene +	50.0	47.7	95.34   7	0-130
	Carbon Disulfide	50.0	51.8	103.63   7	0-130
13	1,1,2Trichlotrifluoroethane	50.0	51.2	102.39   7	0~130
14	Methyl Iodide	50.0	38.4	76.85 17	0-130
15	Acrolein	250	205	82.18   6	0-140
17	Methylene Chloride	50.0	47.8	95.67 17	0-130
	Acetone	50.0	51.8	103.65   6	0-140
· 19	trans-1,2-Dichloroethene	50.0	48.6	97.23 17	0-130
	MTBE	50.0	48.5	96.98  7	0-130
27	1,1-Dichloroethane ++	50.0	50.7	101.37  7	0-130
29	Acrylonitrile	250	239	95.58   6	0-140
30	Vinyl Acetate	50.0	35.4	70.78   7	0-130
31	cis-1,2-Dichloroethene	50.0	49.0	97.94  7	0-130
. 32	2,2-Dichloropropane	50.0	47.0	94.02   7	0-130
34	Cyclohexane	50.0	47.5	95.00  7	0-130
33	Bromochloromethane	50.0	49.8	99.57  7	0-130
35	Chloroform +	50.0	50.1	100.27  7	0-130
36	Carbon Tetrachloride	50.0	50.4	100.73  7	0-130
40	1,1,1-Trichloroethane	50.0	47.6	95.26  7	0-130
43	1,1-Dichloropropene	50.0	48.8	97.70  7	0-130
42	2-Butanone	50.0	50.0	100.08  6	0-140
45	Benzene	50.0	47.8	•	
49	1,2-Dichloroethane	50.0	47.3	94.58   7	0-130
	Methyl Cyclohexane	50.0	49.7		
54	Trichloroethene	50.0	49.2	98.43   7	0-130
57	Dibromomethane	50.0	47.8	95.57   7	
59	1,2-Dichloropropane +	50.0	52.1	104.16  7	0-130
		l <u></u> _l		<u></u>	

Data File: /var/chem/msv5.i/2110107p.s.b/k9766.d Report Date: 09-Jan-2011 13:41

		CONC	CONC:	. %	1
SPIKE	COMPOUND	ADDED	RECOVERED	RECOVERED	LIMIT
		ug/L	ug/L		1
60	Bromodichloromethane	50.0	50.4	100.85	170-13
65	2-Chloroethyl vinyl ether	50.0	50.5	101.03	60-14
66	cis-1,3-Dichloropropene	50.0	50.7	101.45	70-13
69	Toluene +	50,0 1	52.0	103.94	170-13
72	Tetrachloroethene	50.0	52.4	104.70	70-13
71	4-methyl-2-pentanone	50.0	51.3	102.58	60-14
73	trans-1,3-Dichloropropene	50.0	54.7	109.34	70-13
75	1,1,2-Trichloroethane	50.0	56.3	112.59	170-13
76	Dibromochloromethane	50.0	53.0	106.02	70-13
77	1,3-Dichloropropane	50.0	56.0	111.99	170-13
	1,2-Dibromoethane(EDB)	50.0	53.6	107.22	170-13
	2-Hexanone	50.0	52.9	105.87	
84	Chlorobenzene ++	50.0	52.8	105.58	70-13
85	Ethylbenzene +	50.0	52.6	105.21	170-13
	1,1,1,2-Tetrachloroethane	50.0 I	49.7	99.40	
	p, m-Xylene	100	108	107.86	•
	o-Xylene	50.0	54.4	108.87	
	Styrene	50.0	58.0	116.06	•
	Bromoform ++	50.0	56.4	112.73	
	Isopropylbenzene	50.0	54.4	108.86	•
	Bromobenzene	50.0	50.4	100.75	-
	n-Propylbenzene	50.0	52.5	105.05	
	1,1,2,2-Tetrachloroethane++	50.0	50.0	99.90	
	2-Chlorotoluene	50.0	53.8	107.60	
	1,3,5-Trimethylbenzene	50.0	53.7	107.34	
	1,2,3-Trichloropropane	50.0	52.5	105.02	
	trans-1,4-Dichloro-2-Butene	50.0	52.0	104.00	-
	4-Chlorotoluene	50.0	52.1	104.12	
	tert-butylbenzene	50.0	52.1	104.11	•
	1,2,4-Trimethylbenzene	50.0	53.7	107.33	
	sec-Butylbenzene	50.0	51.9	103.88	
	p-Isopropyltoluene	50.0	55.0	109.99	-
	1,3-Dichlorobenzene	50.0	52.0	103.92	-
	1,4-Dichlorobenzene	50.0	51.7	103.32	•
	n-Butylbenzene	50.0		105.45	
	1,2-Dichlorobenzene	50.0		102.73	
	1,2-Dibromo-3-Chloropropane	50.0			
	Hexachlorobutadiene	50.0		i i	
	1,2,4-Trichlorobenzene	50.0		110.35	-
	Naphthalene	50.0		111.00	
	1,2,3-Trichlorobenzene	50.0		110.73	5
120	r, z, o-ilichioropenzene	30.0 1	55.4	110.73	1/0-13

1 .		CONC	1	CONC	I	8
SURROGATE COMPOUND	1	ADDED	١	RECOVERED	ı	RECOVERED    LIMITS
1	1	ug/L	J	ug/L	j	1
l	1		!_		_ _	
\$ 39 Dibromofluoromethane	. 1	50.0	)	47.4	1	94.72  77-127
1	1		1		1	1 1

Page 1.

Data File: /var/chem/msv5.i/2110118p.s.b/k9905.d

Report Date:  $18-Jan^{-2}2011$  15:49

#### GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 18-JAN-2011 13:19

Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011
Init. Cal. Times: 11:14 20:23 Lab File ID: k9905.d

Analysis Type: WATER

Quant Type: ISTD Lab Sample ID: 1400 Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

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COMPOUND	RRF / AMOUNT	RF50		%D / %DRIFT %D		
1 Dichlorodifluoromethane	0.18402	0.20822	0.20822 0.010	13.15246	40.00000	
2 Chloromethane ++	0.16561	0.17623	0.17623[0.100]	6.41501	30.00000	Averaged
3 Vinyl Chloride +	0.187011	0.199861	0.19986 0.010	6.872241	20.000001	Averaged
5 Bromomethane	0.090221	0.09120	0.09120 0.010	1.07661	40.000001	Averaged
8 Chloroethane	56.51034	50.000001	0.10435 0.010	13.02069	30.000001	Linear
9 Trichlorofluoromethane	0.238521	0.260241	0.26024 0.010	9.10697	30.00000.	Averaged
11 1,1-Dichloroethene +	0.12971	0.138671	0.13867 0.010	6.90811	20.000001	Averaged
12 Carbon Disulfide	56.92631	50.000001	0.49891 0.010	13.85263	30.000001	Linear
13 1,1,2Trichlotrifluoroethane	0.138781	0.15490	0.15490 0.010	11.61456	30.000001	Averaged
14 Methyl Iodide	43.53534	50.000001	0.11601 0.010	-12.92931	30.00000)	Linear
15 Acrolein	0.020031	0.01860	0.01860 0.010}	-7.10293	40.000001	Averaged
17 Methylene Chloride	0.20164	0.20761	0.20761 0.010}	2.96283	30.00000	Averaged
18 Acetone	0.11954	0.12318	0.12318 0.010	3.03921	40.00000	Averaged
19 trans-1,2-Dichloroethene	0.212251	0.22477	0.22477 0.010	5.897221	30.000001	Averaged
20 Methyl Acetate	0.20687	0.23041	0.23041 0.010	11.376771	30.000001	Averaged
21 Hexane	0.14719	0.17417	0.17417 0.010	18.32479	30.000001	Averaged
22 MTBE	0.45777	0.48767	0.48767 0.010	6.53150	30.000001	Averaged
27 1,1-Dichloroethane ++	0.30272	0.33132	0.33132 0.100	9.450571	30.000001	Averaged
29 Acrylonitrile	0.093301	0.09540	0.09540 0.010	2.25584	40.000001	Averaged
30 Vinyl Acetate	0.37585	0.276191	0.27619 0.010	-26.51588	30.000001	Averaged
M 61 Total 1,2-Dichloroethene	0.22881	0.244681	0.24468 0.010	6.93748	30.000001	Averaged
31 cis-1,2-Dichloroethene	0.245371	.0.264601	0.26460 0.010	7.83734	30.000001	Averaged
32 2,2-Dichloropropane	0.27468	0.292961	0.29296 0.010	6.65365	30.000001	Averaged
34 Cyclohexane	0.260081	0.28553	0.28553 0.010	9,78406	30.000001	Averaged
33 Bromochloromethane	0.088361	0.09582	0.09582 0.010	8.43511	30.000001	Averaged
35 Chloroform +	0.320691	0.34304	0.34304 0.010	6.97117	20.000001	Averaged
36 Carbon Tetrachloride	0.21459	0.24299	0.24299 0.010	13.23503	30.000001	Averaged
\$ 39 Dibromofluoromethane	0.28030	0.27778	0.27778 0.050	-0.899531	30.000001	Averaged
40 1,1,1-Trichloroethane	0.272661	0.28563	0.28563 0.010	4.756541	30.000001	Averaged
42 2-Butanone	0.19467	0.21833	0.21833 0.010	12.14994	40.000001	Averaged
43 1,1-Dichloropropene	0.25289	0.26811	0.26811 0.010	6.01786	30.000001	Averaged
45 Benzene	0.71305	0.729091	0.72909 0.010	2.24870	30.000001	Averaged
\$ 48 1,2-Dichloroethane-d4	0.17221	0.17377	0.17377 0.050	0.90524	30.000001	Averaged
49 1,2-Dichloroethane	0.27657	0.29427	0.29427 0.010	6.39678	30.000001	Averaged
53 Methyl Cyclohexane	0.21810	0.253921	0.25392 0.010	16.42166	30.000001	Averaged

Data File: /var/chem/msv5.i/2110118p.s.b/k9905.d

Report Date: 18-Jan-2011 15:49

#### GCAL, Inc.

### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 18-JAN-2011 13:19

Lab File ID: k9905.d Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011

Init. Cal. Times: 11:14 20:23

Analysis Type: WATER Lab Sample ID: 1400 Quant Type: ISTD Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

I	1 1	1	CCAL   MIN	"	MAX	
COMPOUND	RRF / AMOUNT	RF50		D / %DRIFT %D		
54 Trichloroethene	0.16841	0.17419	0.17419 0.010	3.42779	30.00000	
57 Dibromomethane .	0.13667	0.147091	0.14709 0.010	7.62451	30.00000	Averaged
59 1,2-Dichloropropane +	0.18521)	0.201441	0.20144 0.010	8.76401	20.00000	Averaged
160 Bromodichloromethane	0.259271	0.28095	0.28095 0.010	8.36057	30.00000	Averaged
64 1-Bromo-2-chloroethane	0.29415	0.31756	0.31756[0.010]	7.95982	30.00000	Averaged
65 2-Chloroethyl vinyl ether	0.16621	0.16401	0.16401 0.010	-1.31966	40.00000	Averaged
66 cis-1,3-Dichloropropene	0.32270	0.362681	0.36268 0.010	12.39104	30.00000	Averaged
\$ 67 Toluene-d8	2.065121	1.98392	1.98392 0.050	-3.93190	30.00000	Averaged
69 Toluene +	1.63499	1.62143	1.62143 0.010	-0.829681	20.00000	Averaged
IM 6 1-3 Dichloropropene-Total	0.32194	0.367481	0.36748 0.010	14.146411	30.00000	Averaged
71 4-methyl-2-pentanone	0.348031	0.39233)	0.39233 0.010	12.73053	40.00000	Averaged
72 Tetrachloroethene	0.260001	0.27107	0.27107 0.010	4.25930	30.00000	Averaged
73 trans-1,3-Dichloropropene	0.69106	0.76026	0.76026 0.010	10.01331	30.00000	Averaged
75 1,1,2-Trichloroethane	0.38294	0.39823	0.39823 0.010	3.99304	30.00000	Averaged
76 Dibromochloromethane	0.43241	0.458301	0.45830 0.010	5.98616	30.00000	Averaged
77 1,3-Dichloropropane	(0.77406)	0.79127	0.79127 0.010	2.22380	30.00000	Averaged
79 1,2-Dibromoethane(EDB)	0.41417)	0.44392}	0.44392 0.010	7.183671	30.00000	Averaged
80 2-Hexanone	0.55171	0.60658}	0.60658 0.010	9.945751	40.00000	Averaged
182 1-Chlorohexane	0.529261	0.519501	0.51950 0.010	-1.843711	30.00000	Averaged
84 Chlorobenzene ++	1.01725	1.01882	1.01882 0.300	0.15448	30.00000	Averaged
85 Ethylbenzene +	0.51567	0.51038	0.51038 0.010	-1.024941	20.00000	Averaged
86 1,1,1,2-Tetrachloroethane	0.37291	0.363671	0.36367 0.010	-2.477261	30.00000	Averaged
87 p,m-Xylene	0.619681	0.63278	0.63278 0.010	2.114361	30.00000	Averaged
189 o-Xylene	0.61048	0.63490}	0.63490 0.010	4.000081	30.00000	Averaged
190 Styrene	1.068881	1.13117	1.13117[0.010]	5.827321	30.00000	Averaged
91 Bromoform ++	0.304661	0.33495	0.33495 0.100	9.94088	30.00000	Averaged
93 Isopropylbenzene	1.50981	1.64256	1.64256 0.010	8.79275	30.00000	Averaged
\$ 94 Bromofluorobenzene	0.594941	0.61086	0.61086 0.050	2.677341	30.000001	Averaged
95 n-Propylbenzene	2.402151	2.50218	2.50218 0.010	4.16414	30.000001	Averaged
196 Bromobenzene	1.12498	1.08584	1.08584 0.010	-3.47841	30.000001	Averaged
97 1,1,2,2-Tetrachloroethane++	0.88301	0.897321	0.8973210.3001	1.61962	30.00000	Averaged
198 2-Chlorotoluene	1.72098	1.75824	1.75824 0.010	2.16507	30.000001	Averaged
99 l,3,5-Trimethylbenzene	1 1.434061	1.55105	1.55105 0.010	8.15797	30.00000	Averaged
1100 1,2,3-Trichloropropane	1.17573	1.21317	1.21317 0.000	3.18450	30.000001	Averaged
101 trans-1,4-Dichloro-2-Butene	1 0.303641	0.31280]	0.31280[0.010]	3.01632	40.000001	Averaged
		1		1_		

Data File: /var/chem/msv5.i/2110118p.s.b/k9905.d

Report Date: 18-Jan-2011 15:49

GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.ii

Injection Date: 18-JAN-2011 13:19

Lab File ID: k9905.d

Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011

Init. Cal. Times: 11:14

Analysis Type: WATER

Quant Type: ISTD

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Lab Sample ID: 1400 Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

í				CCAL   MIN		MAX
COMPOUND	RRF	/ AMOUNT)	RF50 j	RRF50   RRF  %	D / %DRIFT %D	•
103 4-Chlorotoluene	1	1.59957	1.67002	1.67002 0.010	4.40447	30.00000  Averag
104 tert-butylbenzene	ı	0.89384;	0.94090	0.94090 0.010	5.26413	30.00000  Averag
106 1,2,4-Trimethylbenzene	1	1.489961	1.57739	1.57739 0.010	5.86814	30.00000  Averag
107 sec-Butylbenzene	1	1.78112;	1.94695	1.94695 0.010	9.31075	30.00000  Averag
108 p-Isopropyltoluene	1	1.34426	1.485781	1.48578 0.010	10.527331	30.00000! Averag
110 1,3-Dichlorobenzene	ļ	0.89848	0.923531	0.92353 0.010	2.78831}	30.00000  Averag
112 1,4-Dichlorobenzene	ł	0.96162	0.97188	0.97188 0.010	1.06693	30.00000  Averag
M 124 TOTAL XYLENE	1	0.61661;	0.633491	0.63349 0.010	2.736691	30.00000  Averag
115 n-Butylbenzene	ı	1.27487	1.46667	1.46667 0.010	15.04387	30.00000  Averag
116 1,2-Dichlorobenzene	I	0.864051	0.90181	0.90181 0.010	4.370301	30.00000  Averag
120 1,2-Dibromo-3-Chloropropane	1	0.16295	0.17811	0.17811 0.010	9.302841	40.00000  Averag
122 Hexachlorobutadiene	1	0.17031	0.19669}	0.19669 0.010	15.49055	30.00000  Averag
1123 1,2,4-Trichlorobenzene	I .	0.38742]	0.434541	0.43454 0.010	12.16434	30.00000  Averag
125 Naphthalene	1	1.25093	1.44958	1.44958 0.010	15.879741	30.00000  Averag
126 1,2,3-Trichlorobenzene	1	0.36051	0.42193	0.42193 0.010	17.035891	30.00000  Averag
I	1					

Data File: /var/chem/msv5.i/2110118p.s.b/k9907.d

Report Date: 19-Jan-2011 13:57

#### GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Injection Date: 18-JAN-2011 14:09 Instrument ID: msv5.i

Lab File ID: k9907.d Init. Cal. Date(s): 07-JAN-2011
Init. Cal. Times: 11:14 0.7-JAN-2011

Analysis Type: WATER 20:23

Quant Type: ISTD Lab Sample ID: 1400 Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

ı	1	_	I	CCAL   MIN	I	MAX	. 1
COMPOUND	RR		RF50	RRF50   RRF   %D	/ %DRIFT %D		
4 1-3 Butadiene	==	0.16952	0.19571;	0.19571 0.010	15.44774	40.000001	Averaged
10 Ethyl Ether	1	0.10374	0.13897}	0.13897 0.010	33.95814	40.000001	Averaged
16 Allyl chloride	1	0.14511	0.17182	0.17182 0.010	18.41230	40.000001	Averaged
23 tert-Butyl Alcohol	1	0.02551	0.03073	0.03073 0.010	20.483301	40.000001	Averaged!
24 Acetonitrile	1	0.03466	0.040991	0.04099 0.010	18.272301	40.000001	Averaged
25 Isopropyl Ether	1	0.59830	0.57559	0.57559[0.050]	-3.794891	40.000001	Averaged
26 Chloroprene	ı	0.224341	0.24942	0.2494210.0101	11.17874	40.000001	Averaged
37 Ethyl Acetate	1	0.31050	0.37163	0.37163 0.010	19.68781	40.000001	Averaged
38 Tetrahydrofuran	ı	0.114171	0.132141	0.13214 0.010	15.73414	40.000001	Averaged
41 sec-Butanol	1	0.02999]	0.037121	0.03712 0.010	23.77288]	40.000001	Averaged)
44 2-2-4 trimethyl Pentane	1	66.95624	50.000001	0.50782 0.010	33.91247	40.000001	Linear
46 Propionitrile	1	0.04516	0.05751	0.05751 0.010	27.356231	40.000001	Averaged
47 Methacrylonitrile	1	0.20822	0.22783	0.22783 0.010	9.417161	40.00000!	Averaged
50 Isobutyl Alcohol	ł	0.01606	0.01615	0.01615 0.010	0.558881	40.000001	Averaged!
56 n-Butanol	1	0.01116	0.01306	0.01306 0.010	17.06802	40.000001	Averaged
58 2-3 Dichloro-1-Proprene	1	0.29171	0.30719	0.30719 0.010	5.30864	40.000001	Averaged!
62 Methyl methacrylate	1	0.18792	0.20185	0.20185 0.010	7.41143	40.000001	Averaged
63 1,4- Dioxane	Į	0.00273	0.00335}	0.00335 0.001	22.650921	40.000001	Averagedi
70 2-nitropropane	1	0.084761	0.10776	0.10776 0.010	27.13617	40.000001	Averaged
74 Ethyl Methacrylate	1	0.530231	0.51894]	0.51894 0.010	-2.12759!	40.000001	Averaged!
78 1-nitropropane	1	0.056951	0.070441	0.07044 0.010	23.69083	40.000001	Averaged
102 Cyclohexanone	1	0.11253	0.12336)	0.12336 0.010	9.62024	40.000001	Averaged
105 Pentachloroethane	1	0.297371	0.28830	0.28830 0.010	-3.051921	40.00000}	Averaged
109 Dicylopentadiene	1	2.09377	2.41885)	2.41885 0.010	15.52627	40.00000}	Averaged!
121 Benzal Chloride	1	++++	0.16400	0.16400 0.010	++++	40.000001	Averaged!<
		ı	1		1	4	1

# 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL			Çonu	act:					
Lab Code: LA024 Ca	ase No.:		SAS	No.:	- A	SDG No.:	2110	11405	
Lab File ID ( Standard ): 2110116/	a8959		Date	Analyzed:	01/16/11				
Instrument ID: MSV11			Time	: 0859					
GC Column: RTX-VMS-30	ID:25 (	mm)	Heate	ed Purge: (Y/	N) <u>N</u>				
Analytical Batch: 449012								,	
	·	<del></del>							
:					_				
	IS 1			IS 2		<u>IS</u>	3		
	Area	<b>)</b>	RT	Area	RT	Are	ea	RT	
STANDARD	10242	26	8.6	96252	11.82	267	435	5.28	
EPA Sample	•	#	#		#	#	#	•	#
LCS913049	104129		8.6	99408	11.82	26479	93	5.28	
2 . LCSD913050	105635		8.6	99611	11.82	26930	64	5.28	П
3 . MB913048	98814		8.59	85561	11.82	26136	69	5.28	
LEQUIPMENT BLANK	94718	111	8.6	80672	11.82	25896	58	5.28	
TRIP BLANK 1	96155		8.6	81442	11.82	25954	47	5.28	Ll

IS 1 ID: Chlorobenzene-d5
IS 2 ID: 1,4-Dichlorobenzene-d4

IS 3 ID : Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RTLOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk

^{*} Value outside of QC limits

## 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL			Contract:	
Lab Code: LA024		Case No.:	SAS No.:	SDG No.: 211011405
Lab File ID (S	Standard):	2110116/a8960s	Date Analyzed: 01/16/11	Time: 0923
Instrument ID	); MSV11		GC Column: RTX-VMS-30M	ID: .25 (mm)
Analytical Ba	tch: 44901	3	Heated Burge: (Y/N) Y	

	IS1			IS2			(	IS3		•	
	Area	RT		Area		RT		Area	1	RT	
STANDARD	264793	5.28		104129		8.60		99408		11.82	?
EPA Sample No.	#		#	ý L	#		#		#		#
LCS913052	264793	5.28		104129	П	8.60	П	99408	1.1	11.82	T
LCSD913053	269364	5.28	Π	105635	П	8.60	П	99611	П	11.82	T
MB913051	233158	5.28		89050	П	8.59	П	88124	П	11.82	T
T-15-F	243009	5.28		92304	П	8.60	П	91030	П	11.82	T
T-15-F MS	261850	5.28		103314	П	8.60	$\prod$	97972	П	11.82	T
T-15-F MSD	266506	5.28		105177	П	8.60	$\prod$	102063	П	11.82	T
T-21-F	229819	5.28		89091	П	8.60	П	89516	П	11.82	T
NC-0-0.3	236281	5.28		92486	П	8.60	П	94286	П	11.82	T
T-6-NORTH	243988	5.28	Τ	95200	П	8.60	П	99118	П	11.82	T
SC-W	247517	5.28	Τ	97285	П	8.60	П	98863	П	11.82	1
SC-E	255725	5.28		98817	П	8.60	$\prod$	99437	П	11.82	T
T-6-FLOOR	272865	5.28	Τ	103268	П	8.60	$\prod$	94113	$\prod$	11.82	T
T-6-EAST	268644	5.28	Τ	101510	П	8.60	71	90410	$\prod$	11.82	T
T-6-SOUTH	266446	5.28		100967	П	8.60	TT	86231	$\Pi$	11.82	T
BLIND DUP	262564	5.28	Т	100173	П	8.60	17	87929	$\sqcap$	11.82	T

IS 1 ID: Fluorobenzene IS 2 ID: Chlorobenzene d5 IS 3 ID: 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50 % of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag internal standard values with an asterisk. * Values outside of QC limits.

#### VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Contract:

Lab Code: LA024 Case No.:		SAS N	o.:	SI	DG No.:	2110	11405
Lab File ID ( Standard ): 2110118p/k9905		Date A	nalyzed: 01	/18/11	· · ·		•
Instrument ID: MSV5		Time:	1319				
GC Column: RTX-VMS-30 ID: .25	(mm)	Heated	Purge: (Y/N)	N			
Analytical Batch: 449157							
		•					
	IS 1		IS 2		IS 3		
	Area	RT	Area	RT	Area		RT
STANDARD	448195	9.85	363706	11.93	91527	79	7.07
EPA Sample	#	#	#	·#		#	#
LCS913706	448195	9.85	363706	11.93	915279		7.07
LCSD913707	439975	9.85	376202	11.93	907873		7.07
. MB913705	425374	9.86	320520	11.93	863672		7.07
T-2-WEST	432364	9.84	327568	11.92	882603		7.06

IS 1 ID: Chlorobenzene-d5

IS 2 ID: 1,4-Dichlorobenzene-d4

IS 3 ID: Fluorobenzene

Lab Name: GCAL

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RTLOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk

^{*} Value outside of QC limits



### **VOLATILE SOLIDS PREPARATION**

SAMPLE NUMBER	SAMPLE WEIGHT (g)	SODIUM BI WEIGHT (g)	SULFATE LOT#	AMOUNT OF WATER (ml)	AMOUNT	OF LOT#	SURROGATE/ SPIKE	DATE/ TIME	ANALYST	COMMENTS
NUMBER	52.1(	WEIGHT (g)	LOT#	WATER (IIII)	METHANOL (IIII)	201#	SFIRE	10:34	ANALISI	COMMENTS
and a section	35.36	NIA	N/L	NIL	NIA	N/A	NA	10.34	EDS	Terra coro
-	53.07	·OIM	1	1		(	1975	10:34		1
ATOTIS HOLD	53.67 35.83		_					1.13.11		
	47.63 33.55							10:34		
ALIOHA C	33.55		·	<u> </u>				1.13.11		
	49.38		· \				. \	10:36	. {	1
ALICHIO ROS A	35.58 47.85			<u> </u>		<del> </del>	<del></del>	10:36		
	35.52	\	\ \		] .	]		10.39		
0	41.74	<del></del>		<del></del>				10:36		
	33.52							1.13.11		\\
	33.52 45.40 35.76 45.45							10:39		
	35.76						<u> </u>	1.13.11	<b></b>	
	45.95		- 1 1					10:39	1	1
STIDITS TIVE B	35.94						<del>                                     </del>	1.13.11		
	4 <i>5</i> .38 33.38		) )			1 1		10:39	1 1	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	44.52	·						10:41	<del> </del>	
Short Short	35.57							1.13.11	<u> </u>	<u> </u>
	44.40		-		·			10:41		
	35,27		· ·					1.13.11		<u> </u>
Anon-Shot C	42.40 33.17	V ·		$\rightarrow$	<b>√</b> .	1		10:41	V	
PHONE Wage	5,17	NIA	NIA	500	NIA	N/A	NIA	11.15	CLH	la
VIIVIJE VIJ	5.63					)	)	11:15		1
1005	5.5%	$\sqrt{}$	1	V	V	V	V	11:17	W.	V
21101140501A	40.54	NA	MA	MA	NA	NA	NA	12:30	RJU	Terrore
2110114050/B	151 / 1			·			1	1/14/11	1	1
211011405016	33.12/6	18						12:32		
211011405020	41.57 35.53							12:33		
211011405 <b>2B</b>	40.84 35.54	-   -						12.44		
211011H0508C	33:50 )4	al				1		12:35		

### **VOLATILE SOLIDS PREPARATION**

SAMPLE	SAMPLE	SODIUM BI		AMOUNT OF	AMOUN		SURROGATE/	DATE/		
NUMBER	WEIGHT (g)	WEIGHT (g)	LOT#	WATER (ml)	METHANOL (ml)	LOT#	SPIKE	TIME	ANALYST	COMMENTS
&1101140503 A	40.56 35.84	MA	wf	MA	MA	M	NA	12136	PSU	Terricore
2110114 OS03 B	42.05 35.70							1/14/11		
21101140503C	_ 2385./	0.03		,				12:38		
21101140504 A	41.70 36.05				*	·		12:39	r to a mentioning	
21101140504 B	41.59 35.58						·	12:40		
21101140504 C		5.81		<u></u>		<u> </u>		19:41	4	4
21101140505 1	40.74 35.38							12142		
21101140505B	35.60						<u>                                     </u>	18/47	1-/	
211011405050		71				·		18:44	-	
211014056A	41.27 35.36							12/16	<del></del>	
21101140506 13	41.66 3552					<u> </u>	· ·	VIVI	<u> </u>	
211011405060	35.29		لـ	1	<u> </u>	1		12:47	-44	
211011405074		wa	M	NA	and	NA	NA	12:50	tole	Terracore
21101140507B	41.29 36.44						<u>                                     </u>	1249	1	ww.
Q1101140507 c	37.74	4.77				<u> </u>		12:50		
21101140508 1	34.93							12:51		
R1101140508B	35.66							V14/11		
R1101140586	33.2	6.10					,	V14/11 12:53 V14/11		
	41. <del>2</del> 6 35.89	·						18:54		
2110114050973	35.87							12:55		
21/01/405040	38.42	5.23	8	7)	ا ک	d	1	12:56	11	

## **VOLATILE SOLIDS PREPARATION**

	SAMRLE	SAMPLE	SODIUM BI	SULFATE	AMOUNT OF	AMOUN	OF	SURROGATE/	DATE/		
4.6	NUMBER	WEIGHT (g)	WEIGHT (g)	LOT#	WATER (ml)	METHANOL (ml)	LOT#	SPIKE	TIME	ANALYST	COMMENTS
	Alloritosio A	42.07 35.80	NIL	NA	N/Å	المالا	N/A	N/A	14:14	EDS	Terracore
		41.72			(	(	(	(	14:14		, 1
	one incose e	80.50	5.87	क्षेत्रकेहर विकास स					14:14		
	A PROPERTY AND	159 50 35:18				·			14:18		
-12	2 TONIHOSII 8	40.41 35.35							14:18		
	21101140511 C	39.27	11						14:18		
	21101140512 A	41.47	·						19:21		
6	21101140512 R	42.47 35.67							14:21		
٩	21101140512 C	39.44 33.59 6.88 40.72	·						14:21		
٤	21101140513 A	35.77							14:23		
6	21101140513 B	35.53							14:23		
á	21101140513 C	38.22 4,93	, /	V	<u> </u>	V	V	V	14:23	1	V
2	HOLLING	35.83 35.56 43.03	N/K	U/A	NA	N/A	NA	N/A	14:44	EDS	Terracone
8	depois the const	3586							14:44		
2	ACTION AND ADDRESS OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY	32.40							1-14-11		
1	AND THE TOWN A	35.32 42.41							1446 1.14.11 14:46	<del>                                     </del>	
á	11101191002	35.7							1.14.11		
2		33.57 44:52							1.14.11		
		35.51							1.14.11		
II		39.63					<b>1</b>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1-14-11		
2	110111005	33.20	<i>\V</i>	V	- A	<u> </u>	٧	<b>Y</b>	1.14.11	T & _	Ψ

Revision 0: 12/4/2006

Date: 14-JAN-2011	Standard		Conc ppm	
Instrument: msv11.i	BFB IS/SS	50	6-99-2	05/21/11
Analyst(s): RJO	8260 IS/SS	50	6-99-2	05/21/11
	APP9-2	50	6-100-9	07/07/11
	APP9-1	- 50	6-97-3	05/16/11
	THF	50	6-97-9	05/19/11
•	APP9-2 ICV	50	6-96-8	05/05/11
	APP9-1 ICV	50	6-98-3	02/14/11
	THF ICV	. 50	6-93-11	04/06/11

Sample ID	Comments	DataFile	W	gt/Vol	Injection Time	ļI	Dil,	Anal	i	AL.
	) 		 ====					 	 ===	
1000	RR	a8910.d	J	0.00 ml	14-JAN-2011 08:52	j	1.000	RJO	. 1	
1000	IRR	a8911.d	ŀ	0.00 ml	14-JAN-2011 09:24	I	1.000	RJU	i	
1000	1	a8912BFB.d	3	0.00 ml	14-JAN-2011 09:48	1	1.000	RJU	1	
1000	ı	a8912BFBS.d	1	0.00 ml	14-JAN-2011 09:48	1	(1.000	RJU	ł	
1400	1	l a8913.d	ļ	5.00 ml	14-JAN-2011 10:25	ł	1.000	, rju	)	2
1208	1	a8914.d	1	5.00 ml	14-JAN-2011 11:09	ı	1.000	I RJU	l	2
1201.	1	1 a8915.d	1	5.00 ml	14-JAN-2011 11:41	ł	1.000	RJU	1	:
1206	1	a8916.d	1	5.00 ml	14-JAN-2011 12:09	1	1.000	RJU	1	:
1202	1	a8917.d	ł	5.00 ml	14-JAN-2011 12:41	. 1	1.000	l RJU	ł	
1400	1	a8918CCV.d	ł	5.00 ml	14-JAN-2011 13:15	ı	1.000	RJU	1	
1203	1	a8918.d	1	5.00 ml	14-JAN-2011 13:15	1	1.000 (	l RJU	1	
1204	1	a8919.d	1	- 5.00 ml	14-JAN-2011 13:48	1	1.000	RJU	1	•
1205	1	[ a8920.d	1	5.00 ml /	14-JAN-2011 14:28	1	1.000 (	RJU	1	
BLANK	· 1	a8921.d	1	5.00 ml	14-JAN-2011 14:55	1	1.000	RJU	1	
1600	1	a8922.d	4	5.00 ml	14-JAN-2011 15:30	1	1.000	RJU	ı	
912979	1	a8923.d	1	5.00 g	14-JAN-2011 16:08	1	50.000	RJU	1	
912980	1 :	a8924.d	Í	5.00 g (	14-JAN-2011 16:41	i	50.000	RJU	ı	
SMB .	1	1 a8925.d	1	5.00 ml	14-JAN-2011 17:14	1	50.000	RJU	ŀ	
912978	1	a8926.d	1	5.00 g	14-JAN-2011 17:38	1	50.000	RJU	i	
21101103001	I	1 a8927.d	1	5.05 g )	14-JAN-2011 18:14	1	50.000	RJU	1	

TUNE = 21:48

Standard

Conc ppm

50

ID .

6-99-2

EXP

05/21/11

Date: 15-JAN-2011

BLANK

Instrument: msv11.i BFB IS/SS

		Analyst(s)		8260 IS/SS 8260			50 6-99- 50 6-100	2	05/21 05/21 01/28	/11		
		į		AC/AC/VA		250/	50 6-100	-10	03/10	/11		
		ļ	ı	CVE			50 6-100		•			
		٠. ا		Heptane			50 6-98-		05/28			
				8260 ICV			50 6-99-	-	06/22			
		. 1		AC/AC/VA ICV		250/			01/17			
				CVE ICV			50 6-89-		02/11			
			*	Heptane ICV		2.	50 6-93-	10	04/06	/11		
				,								
-	Sample ID	Comments		DataFile	Wg	t/Vol	Injection Time	1	Dil	Anal	A	LS
	I			1	1			1	i	į	ļ	1
	====================================			*****************	a== <b>=</b>	=======================================				.=====		===
!	1000	1 .	•	a8930BFB.d	i	0.00 ml	15-JAN-2011 08:16	5 (	1.000	RJU	I	2
1	1000	1		a8930BFBD.d	ı	0.00 ml	15-JAN-2011 08:16	5 1	1.000	RJU	I	2
- 1	1209	RR	•	a8931.d	1	5.00 ml	15-JAN-2011 08:58	1	1.000	RJU	1	19
1	1208	RR		a8932.d	ŀ	5.00 ml	15-JAN-2011 09:32	: 1	1.000	RJU	1 :	20
1	1201	I f		a8933.d	i		15-JAN-2011 09:57		1.000	RJU		21
ı	1201	ļ		a8933D.d	1		15-JAN-2011 09:57		1.000	RJU		21
-	1206	1 .		a8934.d	1	5.00 ml	15-JAN-2011 10:21	. 1	1.000		1 2	22
١	1206	1 .		a8934D.d	i		15-JAN-2011 10:21		1.000	RJU		22
1	1202			1 a8935.d	1		15-JAN-2011 10:45		1.000	RJU		23
1	1202	1 .	•	a8935D.d	I	5.00 ml	15-JAN-2011 10:45	1	1.000	RJU	1 2	23
- 1	1203	1		a8936.d	l	5.00 ml	15-JAN-2011 11:09	1	1.000	RJU		24 1
1	1203	l j		1 a8936D.d	1		15-JAN-2011 11:09		1.000			24 1
	1204	1	•	a8937.d	l		15-JAN-2011 11:32		1.000			25
	1204	1		a8937D.d	l		15-JAN-2011 11:32		1.000			25
	1205			a8938.d	1		15-JAN-2011 11:55		1.000			26
	1205	· *		a8938D.d	1		15-JAN-2011 11:55		1.000			26 ]
	BLANK			•	1		15-JAN-2011 12:19		1.000			27
	BLANK	!	-	•	1		15-JAN-2011 12:42		1.000			27
	1208			,	1		15-JAN-2011 13:06		1.000			28
	1208	DIOT HEED			1		15-JAN-2011 13:06		1.000			28   29
	1210	NOT USED		·	1		15-JAN-2011 14:00 15-JAN-2011 14:24		1.000   1.000			30
	1600	RR		a8943.d	1		15-JAN-2011 14:59		1.000			31
	1600	1 6			i		15-JAN-2011 14:59		1.000			31
	913039	<u> </u>		*			15-JAN-2011 15:33		1.000			29 I
	913040						15-JAN-2011 16:07	i	1.000			30
	MB	•	٠.		, 		15-JAN-2011 16:33		1.000			31
	913038						15-JAN-2011 17:03		1.000 (			32 (
	21101121306				1		15-JAN-2011 17:27		1.000 1			33
	21101121301	1			i		15-JAN-2011 17:50		1.000			34
	21101121302	i			i I		15-JAN-2011 18:13		1.000		1 3	
	21101121303				į		15-JAN-2011 18:36		1.000			36
	21101121304				ì		15-JAN-2011 19:00	1	1.000			37
	21101121305	LRNO WITH FOLLOW	ING		ı		15-JAN-2011 19:24	i	5.000 1			38
	21101121305	LRNO WITH ABOVE			ŧ		15-JAN-2011 19:47	ı	1.000			38
	•											

5.00 ml | 15-JAN-2011 20:10

1.000 | RJU | 39 |

Date: 16-JAN-2011	Standard	Conc ppm	ID	EXP
Instrument: msv11.i	BFB IS/SS	50	6-99-2	05/21/11
Analyst(s): RJU	8260 IS/SS .	50	6-99-2	05/21/11
<del>-</del>	8260	50	6-100-11	01/28/11
•	AC/AC/VA	250/50	6-100-10	03/10/11
	CVE	50	6-100-3	06/29/11
	Heptane	250	6-98-2	05/28/11
	APP9-1	50	6-97-3	05/16/11
,	APP9-2	50	6-100-9	07/07/11
•	THF	50	6-97-9	05/19/11

Sample ID	Comments	DataFile	Wgt/	/Vol	Injection Time	1	Dil	Anal	AL
			1		1;	1		l 	  ====
1000	RR	a8958.d	1	0.00 ml	   16-JAN-2011 08:11	 	1.000		1
1000	1	a8958s.d	1	0.00 ml	16-JAN-2011 08:11	- 1	1.000	RJU	1 :
1400	IAPP9	a8959.d	1	5.00 ml	16-JAN-2011 08:59	ı	1.000	RJU	1 3
1400	APP9	a8959s.d	1	5.00 ml	16-JAN-2011 08:59	3	1.000	J RJU	J 3
1400	l .	a8960.d	1	5.00 ml	16-JAN-2011 09:23	- 1	1.000	RJU	4
913049	1	a8960L.d	1	5.00 ml	16-JAN-2011 09:23	. 1	1.000	RJU	} 4
1400	1	a8960s.d	1	5.00 ml	16-JAN-2011 09:23	1	1.000	RJU	4
913052	T.	a8960sL.d	ı	5.00 g	16-JAN-2011 09:23	1	50.000	RJU	1 4
913050	1	a8961.d	1	5.00 ml	16-JAN-2011 09:46	i	1.000	RJU	4
913053	t ·	·   a8961s.d	1 .	5.00 g	1 16-JAN-2011 09:46	- 1	50.000	RJU	1 4
MB	1	a8962.d	1	5.00 ml	16-JAN-2011 10:09	ı	1.000	RJU	4
913048	- I	a8963.d	1	5.00 ml	J 16-JAN-2011 10:33	` I	1.000	, rju	1 4
913051	· I	l a8964.d	1	5.00 g	16-JAN-2011 10:55	1	50.000	RJU	1 4
21101140501	i i	1 a8965.d	I	6.18 g	16-JAN-2011 11:18	I	50.000	RJU	4
21101140514	1	1 a8966.d	I	5.00 ml	1 16-JAN-2011 11:42	ı	1.000	RJU	4
21101140515	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	a8967.d	I	5.00 ml	16-JAN-2011 12:05	1	1.000	RJU	4
21101140516	1	a8968.d	1	5.00 ml	16-JAN-2011 12:28	1	1.000	RJU	4
21101143701	LRNO WITH 20/2	a8969.d	1	5.00 ml	16-JAN-2011 12:51	- 1	100.000	RJU	1 4
21101143701	LRNO WITH 100/2	a8970.d	1	5.00 ml	16-JAN-2011 13:14	1	20.000	RJU	4
21101143701	LRNO WITH 100/20	l a8971.d	1	5.00 ml	16-JAN-2011 13:37	ł	2.000	∤ RJU	1 5
21101140502	IMS	a8972.d	ŀ	4.91 g	16-JAN-2011 14:01	ı	50.000	J RJU	5
21101140503	IMSD	1 a8973.d	I,	6.03 g	16-JAN-2011 14:25	1	50.000	RJU	5
BLANK	1	a8974.d	1	5.00 ml	16-JAN-2011 14:49	- 1	1.000	RJU	5
21101144101	DILUTED DUE TO NT	a8975.d	1	5.01 g	16-JAN-2011 15:14	i	10000.000	į rju	1
21101142402	1	·   a8976.d	1	5.00 g	1 16-JAN-2011 15:39	ı	1000000.0	UR   00	ו ט
21101140504	1	a8977.d	1	5.81 g	16-JAN-2011 16:03	i	50.000	RJU	5
21101140505	1	1 a8978.d	1 .	4.71 g	1 16-JAN-2011 16:27	, 1	50.000	RJU	1 5
21101140510	1	a8979.d	1	5.87 g	16-JAN-2011 16:51	1	50.000	RJU	1 5
21101140512	DILUTED DUE TO MATRIX	a8980.d	ı	5.85 g	16-JAN-2011 17:15	1	50.000	RJU	1 5
21101140513	1	a8981.d	l	4.93 g	16-JAN-2011 17:39	i	50.000	RJU	1 6
21101140507	1	a8982.d	ı	4.77 g	16-JAN-2011 18:09	1	100.000	CLH	1 6
21101140506	JRR, 250X	a8983.d	1	6.21 g	1 16-JAN-2011 18:33	ı	1000.000	CLH	1 6
21101140508	1	a8984.d	1	5.13 g	16-JAN-2011 18:57	ı	10000.000	CLH	ı
21101140509	l	a8985.d	ı	5.23 g	16-JAN-2011 19:22	1	10000.000	CLH	i
21101140511	1	a8986.d	1 .	5.71 g	16-JAN-2011 19:46	i	10000.000	] CLH	-1
BLANK		1 a8987.d	1	5.00 g	1.16-JAN-2011 20:10		1.000	CT.H	1 6

Date: 01-JAN-2011 Instrument: msv5.i Analyst(s): JCK	Standard BFB IS/SS 8260 IS/SS APP9-2 APP9-1 THF THF ICV APP9-2 ICV APP9-1 ICV	Conc ppm 50 50 50 50 50 50 50	6-96-6 6-97-2 6-97-3 6-97-9 6-93-11 6-96-8 6-98-3	05/04/11 05/04/11 05/12/11 05/16/11 05/19/11 04/06/11 05/05/11 02/14/11
•	APP9-1 ICV	. 50	6-98-3	02/14/11

Sample ID	Comments	DataFile	y j Wgt	/Vol   Injection	Time	] Dil		Ana	1	ALS
1 ,	Ī		ı	1		1		1	1	
			.=======		*******				===:	
BLANK	1	k9644.d	´ +	0.00 ml   01-JAN-20	13:18	1	.000	JCK	1	2
1000		k9745.d	1	0.00 ml   07-JAN-20	11 10:24	1 1	.000	JCK	ſ	2
1 1207	l	k9746.d	1	5.00 ml   07-JAN-20	11:14	1	.000	j jck	1	1
1 1201	1	k9747.d	1	5.00 ml   07-JAN-20	11:36	1	.000	JCK	1	2
1206	RR	k9748.d	1 .	5.00 ml   07-JAN-20	11:58	1	.000	JCK	1	3
1202	1	k9749.d	1	5.00 ml   07-JAN-20	11 12:21	1	.000	JCK	1	4
1 1203	1	1 k9750.d	1	5.00 ml   07-JAN-20	11 12:43	1 1	.000	JCK	I	5
1204	t	k9751.d	1	5.00 ml   07-JAN-20	11 13:06	1	.000	1 JCK	i	6
1205	1	k9752.d	1	5.00 ml   07-JAN-20	11 13:30	1	.000	JCK	1	7
BLANK	1	k9753.d	1	5.00 ml   07-JAN-20	11 13:53	1	.000	JCK	1	8
1 1600	] RR	/   k9754.d	ı	5.00 ml   07-JAN-20	11 14:59	1	.000	JCK	1	9
1 1206	1	k9755.d	1	5.00 ml   07-JAN-20	11 15:42	[ 1	.000	JCK	1	10
1600	1	k9756.d	I	5.00 ml   07-JAN-20	11 16:04	1	.000	JCK	1	11

TUNE = 01:18

		li li		
Date: 07-JAN-2011	Standard	Conc ppm		
Instrument: msv5.i	BFB IS/SS	50	6-99-2	05/21/11
Analyst(s): JCK	8260 IS/SS	50	6-99-2	05/21/11
	8260	50 ∄	6-100-8	01/17/11
	Ac/Ac	250/50	6-100-7	03/01/11
	CVE	50	6-100-3	06/29/11
	8260 ICV	50 [	6-99-4	06/22/11
·	AC/AC ICV	250/50	6-98-12	01/17/11
	CVE ICV	50	6-89-11	02/11/11

Sample ID	Comments	DataFile	Wg	t/Vol	Injection Time	Dil	[ Anal	ALS
1		1	1	· ·	1	1	1 .	i
1000		k9757.d		0.00 ml	07-JAN-2011 17:02	1 1.000	)   JCK	j 2
1 1207	8260 ICAL	k9758.d	ι	5.00 ml	07-JAN-2011 18:08	1.000	JCK	1 1
1 1201	T	k9759.d	i	5.00 ml	07-JAN-2011 18:30	1.000	JCK	1 2
1 1206	1	k9760.d	1	5.00 ml	07-JAN-2011 18:54	1.000	JCK	- 3
1 1202	· 1	k9761.d	1	5.00 ml	07-JAN-2011 19:16	1 1.000	JCK	1 4
1203	1	k9762.d	1	5.00 ml	07-JAN-2011 19:38	1.000	JCK	1 5
1204	1	k9763.d	1 - 1	5.00 ml	07-JAN-2011 20:01	1 1.000	JCK	1 6
1205	1	k9764.d	ı	5.00 ml	07-JAN-2011 20:23	1 1.000	JCK	1 7
BLANK	1 .	k9765.d	1 .	5.00 ml	07-JAN-2011 20:45	1.000	JCK	8
1600		k9766.d	1	5.00 ml	07-JAN-2011 21:07	1.000	JCK	1 9
1600	NOT USED	k9767.d	}	5.00 ml	07-JAN-2011 21:29	1 1.000	) JCK	1 10
BLANK	1	k9768.d	1	5.00 ml	07-JAN-2011 21:52	1.000	JCK	11
1					Î			

TUNE = 05:02

	Date: 18-JAN-2011 Instrument: msv5.i Analyst(s): CLH	Standard BFB IS/SS 8260 IS/SS 8260 Ac/Ac CVE APP9-2 APP9-1 THF	Conc py 50 50 50 250/50 50 50 50	6-99-2 6-99-2 6-100-11 6-100-12 6-100-3 6-100-9 6-97-3 6-97-9		1 1 1 1 1	
Sample ID	Comments	DataFile	Wgt/Vol   In	jection Time	Dil	Anal	ALS
1		i i	1		1		1
						======	
1000	1	k9903bfb.d	0.00 ml   18	-JAN-2011 12:33	1.000	CLH	1 2
1000		k9903sbfb.d	0.00 ml   18	-JAN-2011 12:33	1 1.000	CLH	2
BLANK	1	k9904.d	5.00 ml   18	-JAN-2011 12:56	1.000	CLH	1 5
1 1400	1	k9905.d	5.00 ml   18	-JAN-2011 13:19	1 1.000	CLH	2
913709	1	k9905L.d	5.00 ml   18	-JAN-2011 13:19	1.000	CLH	1 2
1 1400		k9905s.d	5.00 ml   18	-JAN-2011 13:19	1.000	CLH	1 2
913706	· ·	k9905sL.d	5.00 g   18	-JAN-2011 13:19	1 50.000	CLH	2
913710	1	k9906.d	5.00 ml   18-	-JAN-2011 13:42	1 1.000	CLH	) 3
913707	1	k9906s.d	j 5.00 g   18-	-JAN-2011 13:42	.50.000	CLH	] 3
1400	· [	1 k9907.d	5.00 ml   18	-JAN-2011 14:09	1 1.000	CLH	4
1400	į į	k9907s.d	5.00 ml   18-	JAN-2011 14:09	1.000	CLH	j 4
† MB	· ·	k9908.d	5.00 ml   18-	-JAN-2011 14:32	1 1.000	CLH	1 5
913705	l [	k9909.d	5.00 g   18-	-JAN-2011 14:55	1 50.000	CLH	1 6
913708	l land	k9910.d	5.00 ml   18-	-JAN-2011 15:19	1.000	CLH	1 7
21101140506	. 1	k9911.d	6.21 g   18-	-JAN-2011 15:41	1 250.000	CLH	1 8
21101140602	1	k9912.d	5.00 ml   18-	-JAN-2011 16:04	1 40.000	CLH	1 9
21101143333	l þ	k9913.d	5.00 ml   18-	-JAN-2011 16:26	1.000	CLH	10
21101171601	1	k9914.d	j 5.00 ml   18-	-JAN-2011 16:48	20.000	CLH	1 11
BLANK	1	k9915.d	5.00 ml   18-	-JAN-2011 17:11	1.000	CLH	12
913803	· [	k9916.d	5.00 ml   18-	-JAN-2011 17:33	1 40.000	CLH	34
913804	l	k9917.d	5.00 ml   18-	-JAN-2011 17:56	40.000	CLH	35
912982	l	k9918.d	5.00 ml   18-	-JAN-2011 18:19	1 40.000	CLH	1 36
21101172801	LRNO WITH FOLLOWING	k9919.d	5.00 ml   18-	-JAN-2011 18:41	20.000	CLH	1 13
21101172801	LRNO WITH ABOVE	k9920.d		-JAN-2011 19:05	1 2.000		1 14
BLANK	l e	•		-JAN-2011 19:29	1 1.000		J 15
BLANK	<b>I</b>	k9922.d		JAN-2011 19:52	1 1.000		16
21101171501	LRNO WITH k9925	k9923.d		JAN-2011 20:14	1 250.000		1 17
21101171502	LRNO WITH k9926	•		JAN-2011 20:37	1 250.000		1 18
21101171501	LRNO WITH k9923	k9925.d		JAN-2011 21:00	1 10.000 1		1 19
21101171502	LRNO WITH k9924	k9926.d		JAN-2011 21:22	1 10.000 1		20
BLANK				JAN-2011 21:45	1 1.000		21
BLANK				JAN-2011 22:07	1.000		22
BLANK	1 1	k9929.d		JAN-2011 22:30	1.000		23
21101170304		k9930.d		JAN-2011 22:53	1 1.000		24
21101140601		k9931.d		JAN-2011 23:15	1 40.000		25
21101140603	1	k9932.d	5.00 ml   18-	JAN-2011 23:38	1 40.000	RJŪ	26

Lab Name: GC	AL	Sample ID: _T	-15-F		
Lab Code: LA0	24 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 2	110114/e79	80	****
Matrix: Solid		Lab Sample ID	: 2110114	0501	
-	30.1 Units: g		Í	Time:	1400
			!		1.00
Level: (low/med)	LOW	Date Received:	01/14/11		
% Moisture: 16	.2 decanted: (Y/N)	Date Extracted	: <u>01/14/11</u>		
GC Column: R1	TX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1656
	tract Volume: 1000 (µL)	Dilution Factor:	1	Analy	st: KCB
	: 1.0 (µL)	Prep Method:	3550B		
		Analytical Meth	od: SW-8	346 8270	
GFC Cleanup. (1	//N) N pH:				
CONCENTRATIO	ON UNITS: mg/kg	Instrument ID:	W55V4		
001102111101111	Sit Offit C. Mg/kg	Prep Batch: _4	148916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	5	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.393	U §	0.00894	0.393
95-95-4	2,4,5-Trichlorophenol	0.393	υ	0.047	0.393
88-06-2	2,4,6-Trichlorophenol	0.393	U	0.062	0.393
120-83-2	2,4-Dichlorophenol	0.393	U	0.063	0.393
105-67-9	2,4-Dimethylphenol	0.393	U	0.050	0.393
51-28-5	2,4-Dinitrophenol	1.96	U	0.211	1.96
121-14-2	2,4-Dinitrotoluene	0.393	U	0.055	0.393
606-20-2	2,6-Dinitrotoluene	0.393	υţ	0.023	0.393
91-58-7	2-Chioronaphthalene	0.393	UÌ	0.021	0.393
95-57-8	2-Chiorophenol	0.393	Üİ	0.030	0.393
91-57-6	2-Methylnaphthalene	0.079	U. Î	0.021	0.079
88-74-4	2-Nitroaniline	1.96	U :	0.044	1.96
88-75-5	2-Nitrophenol	0.393	U	0.018	0.393
91-94-1	3,3'-Dichlorobenzidine	0.785	U	0.251	0.785
99-09-2	3-Nitroaniline	1.96	U	0.048	1,96
534-52-1	2-Methyl-4,6-dinitrophenol	1.96	U	0.039	1.96
101-55-3	4-Bromophenyl-phenylether	0.393	U	0.035	0.393
59-50-7	4-Chloro-3-methylphenol	0.393	U	0.031	0.393
106-47-8	4-Chloroaniline	0.393	U	0.039	0.393
7005-72-3	4-Chlorophenyl-phenylether	0.393	U	0.044	0.393 ૃ
100-01-6 ·	4-Nitroaniline	1.96	U	0.073	1.96
100-02-7	4-Nitrophenol	1.96	U [	0.136	1.96
83-32-9	Acenaphthene	0.079	U	0.022	0.079
208-96-8	Acenaphthylene	0.079	U	0.013	0.079
98-86-2	Acetophenone	0.393	U	0.024	0.393
62-53-3	Aniline	0.393	U	0.021	0.393
120-12-7	Anthracene	0.079	U	0.014	0.079
1912-24-9	Atrazine (Aatrex)	0.785	U	0.058	0.785
100-52-7	Benzaldehyde	0.785	U	0.035	0.785

FORM I SV-1

Lab Name: GC	AL .	Sample ID: 1	Г-15-F	-	
Lab Code: LA0	24 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405				
Matrix: Solid		Lab Sample ID	: 2110114	0501	
Sample wt/vol:	30.1 Units: g	Date Collected	: 01/13/11	Time:	1400
Level: (low/med)		Date Received	: 01/14/11		
% Moisture: 16	.2 decanted: (Y/N)	Date Extracted	: 01/14/11		
GC Column: RT	TX-5MS-30 ID: <u>.25</u> (mm)	Date Analyzed	01/14/11	Time	: 1656
Concentrated Ext	tract Volume: 1000 (µL)	Dilution Factor	: 1	Analy	st: KCB
	1.0 (µL)	Prep Method:	3550B		
	7/N) N pH:	Analytical Meth	nod: SW-8	346.8270°	
		Instrument ID:	MSSV4		•
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch:	448916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	1.96	U	1.96	1.96
56-55-3	Benzo(a)anthracene	0.079	U	0.017	0.079
50-32-8	Benzo(a)pyrene	0.079	U	0.023	0.079
205-99-2	Benzo(b)fluoranthene	0.393	Ü	0.012	0.393
191-24-2	Benzo(g,h,i)perylene	0.393	U	0.011	0.393
207-08-9	Benzo(k)fluoranthene	0.393	Ü	0.018	0.393
65-85-0	Benzoic acid	1.96	Ū	0.136	1,96
100-51-6	Benzyl alcohol	0.393	Ü	0.046	0.393
92-52-4	Biphenyl	0.393	Ü	0.013	0.393
111-91-1	Bis(2-Chloroethoxy)methane	0.393	Ü	0.022	0.393
111-44-4	Bis(2-Chloroethyl)ether	0.393	Ü	0.030	0.393
108-60-1	bis(2-Chloroisopropyl)ether	0.393	Ü	0.020	0.393
117-81-7	bis(2-ethylhexyl)phthalate	0.079	Ü	0.015	0.079
85-68-7	Butylbenzylphthalate	0.393	Ü	0.00828	0.393
105-60-2	Caprolactam	0.393	U	0.042	0.393
86-74-8	Carbazole	.0.393	U	0.028	0.393
218-01-9	Chrysene	0.393	Ü	0.013	0.393
84-74-2	Di-n-butylphthalate	0.393	Ü.	0.00948	0.393
117-84-0	Di-n-octylphthalate	0.393	U	0.013	0.393
53-70-3	Dibenz(a,h)anthracene	0.079	U	0.011	0.079
132-64-9	Dibenzofuran	0.393	U	0.014	0.393
84-66-2	Diethylphthalate	0.393	Ü	0.036	0.393
131-11-3	Dimethyl-phthalate	0.393	U	0.00870	0.393
206-44-0	Fluoranthene	0.017	J	0.00869	0.393
86-73-7	Fluorene	0.079	U	0.012	0.079
118-74-1	Hexachlorobenzene	0.393	Ü	0.047	0.393
77-47-4	Hexachlorocyclopentadiene	0.393	Ü	0.059	0.393
67-72-1	Hexachloroethane	0.393	U	0.058	0.393
193-39-5	Indeno(1,2,3-cd)pyrene	0.393	. U	0.016	0.393

FORM. I SV-1

Lab Name: GCAL		Sample ID: T-	15-F		
Lab Code: LA024	Case No.:	Contract:	; l		
SAS No.:	SDG No.: 211011405	Lab File ID: 21	10114/e79	80	
Matrix: Solid		Lab Sample ID:	2110114	0501	
Sample wt/vol: 30.1	Units: g	Date Collected:	01/13/11	Time:	1400
Level: (low/med) LC	DW	Date Received:	01/14/11		
% Moisture: 16.2	decanted: (Y/N)	Date Extracted:	01/14/11		
GC Column: RTX-5	MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1656
Concentrated Extract	Volume: 1000 (µL)	Dilution Factor:	1	Analy	st: KCB
Injection Volume:	1.0 (µL)	Prep Method:	3550B		
GPC Cleanup: (Y/N)	N pH:	Analytical Metho	d: <u>SW-8</u>	46 8270	
		Instrument ID:	MSSV4		
CONCENTRATION U	NITS: mg/kg	Prep Batch: 44	18916	Analytical Ba	tch: 448983
CAS NO. CO	MPOUND	RESULT	:	MDL	RL
78-59-1 Isop	horone	0.393	U	0.013	0.393
98-95-3 Nitro	benzene	0.393	U :	0.018	0.393
87-86-5 Pen	tachlorophenol	1.96	U ;	0.032	1.96
85-01-8 Phe	nanthrene	0.079	U §	0.016	0.079
108-95-2 Phe	nol	0.393	U :	0.019	0.393
129-00-0 Pyre	ene	0.393	U	0.055	0.393
110-86-1 Pyri	dine	0.393	υ¦	0.022	0.393
1319-77-3M m,p	Cresol	0.393	υį	0.069	0.393
	itroso-di-n-propylamine	0.079	υ	0.020	0.079
62-75-9 N-N	itrosodimethylamine	0.393	U	0.020	0.393
86-30-6 N-N	itrosodiphenylamine	0.393	U,	0.012	0.393
95-48-7, o-Ci	resol	0.393	U	0.012	0.393

Lab Name: GC	AL .	Sample ID: T-15-F MS		
Lab Code: LA0	24 Case No.:	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e79	981	A
Matrix: Solid		Lab Sample ID: 2110114	10502	•
Sample wt/vol:	30 Units: g	Date Collected: 01/13/11	Time:	1400
Level: (low/med)	LOW	Date Received: 01/14/11	J	
% Moisture: 16	.2 decanted: (Y/N)	Date Extracted: 01/14/11		•
GC Column: R1	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/11	Time:	1713
Concentrated Ext	tract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB
Injection Volume:	1.0 (µL)	Prep Method: 3550B		
GPC Cleanup: (Y		Analytical Method: SW-8	346 8270	
		Instrument ID: MSSV4		·
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
122-66-7	1,2 Diphenylhydrazine	3.52	0.00897	0.394
95-95-4	2,4,5-Trichlorophenol	3.19	0.047	0.394
88-06-2	2,4,6-Trichlorophenol	2.96	0.062	0.394
120-83-2	2,4-Dichlorophenol	2.96	0.063	0.394
105-67-9	2,4-Dimethylphenol	3.04	0.050	0.394
51-28-5	2,4-Dinitrophenol	2.52	0.211	1.97
121-14-2	2,4-Dinitrotoluene	3.27	0.056	0.394
606-20-2	2,6-Dinitrotoluene	3.47	0.023	0.394
91-58-7	2-Chloronaphthalene	3.57	0.021	0.394
95-57-8	2-Chlorophenol	2.97	0.030	0.394
91-57-6	2-Methylnaphthalene	3.21	0.021	0.079
88-74-4	2-Nitroaniline	3.25	0.044	1.97
88-75-5	2-Nitrophenol	3.28	0.018	0.394
91-94-1	3,3'-Dichlorobenzidine	2.85	0.252	0.788
99-09-2	3-Nitroamiline	2.33	0.048	1.97
534-52-1	2-Methyl-4,6-dinitrophenol	2.94	0.039	1.97
101-55-3	4-Bromophenyl-phenylether	3.89	0.035	0.394
59-50-7	4-Chloro-3-methylphenol	2.83	0.031	. 0.394
106-47-8	4-Chloroaniline	1.83	0.039	0.394
7005-72-3	4-Chlorophenyl-phenylether	3.47	0.044	0.394
100-01-6	4-Nitroaniline	2.89	0.074	1.97
100-02-7	4-Nitrophenol	2.81	0.136	1.97
83-32-9	Acenaphthene	3.67	0.022	0.079
208-96-8	Acenaphthylene	4.19	0.013	0.079
98-86-2	Acetophenone	3.26	0.024	0.394
62-53-3	Aniline	2.78	0.021	0.394
120-12-7	Anthracene	3.90	0.014	0.079
1912-24-9	Atrazine (Aatrex)	5.17	0.058	0.788
100-52-7	Benzaldehyde	0.334 J	0.035	0.788

FORM I SV-1

Lab Name: GC	AL	Sample ID: T-15-F M	S			
Lab Code: LA0	24 Case No.:	Contract:				
SAS No.:	SDG No.: 211011405					
Matrix: Solid		Lab Sample ID: 2110	1140502			
	30 Ünits: g	Date Collected: 01/13		1400		
				1-100		
	LOW	Date Received: 01/14				
% Moisture: 16	.2 decanted: (Y/N)	Date Extracted: 01/14				
GC Column: RT	X-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14	/11 Time:	. 1713		
Concentrated Ext	ract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB		
	1.0 (µL)	Prep Method: 3550B	ļ.	* *		
	/N) N pH:	Analytical Method: S\	N-846 8270			
, or o olounopi (		Instrument ID: MSSV4	1			
CONCENTRATIO	ON UNITS: mg/kg			440000		
		Prep Batch: 448916	./			
CAS NO.	COMPOUND	RESULT	MDL.	RL 		
56-55-3	Benzo(a)anthracene	3.74	0.017	0.079		
50-32-8	Benzo(a)pyrene	4.04	0.023	0.079		
205-99-2	Benzo(b)fluoranthene	3.55	0.012	0.394		
191-24-2	Benzo(g,h,i)perylene	3.32	0.011	0.394		
207-08-9	Benzo(k)fluoranthene	3.61	0.018	0.394		
65-85-0	Benzoic acid	2.23	0.136	1.97		
100-51-6	Benzyl alcohol	3.21	0.046	0.394		
92-52-4	Biphenyl	3.22	0.013	0:394		
111-91-1	Bis(2-Chloroethoxy)methane	3.49	0.022	0.394		
111-44-4	Bis(2-Chloroethyl)ether	3.39	0.030	0.394		
108-60-1	bis(2-Chloroisopropyl)ether	3.28 .	0.020	0.394		
117-81-7	bis(2-ethylhexyl)phthalate	3.52	0.015	0.079		
85-68-7	Butylbenzylphthalate	3.67	0.00831	0.394		
105-60-2	Caprolactam	3.12	0.042	0.394		
86-74-8	Carbazole	3.39	0.028	0.394		
218-01-9	Chrysene	3.57	0.013	0.394		
84-74-2	Di-n-butylphthalate	3.78	0.00952	0.394		
117-84-0	Di-n-octylphthalate	3.57	0.013	0.394		
53-70-3	Dibenz(a,h)anthracene	3.32	0.011	0.079		
132-64-9	Dibenzofuran	3.32	0.014	0.394		
84-66-2	Diethylphthalate	3.61	0.036	0.394		
131-11-3	Dimethyl-phthalate	3.62	0.00873	0.394		
206-44-0	Fluoranthene	3.83	0.00872	0.394		
86-73-7	Fluorene	3.61	0.012	0.079		
118-74-1	Hexachlorobenzene	3.45	0.047	0.394		
77-47-4	Hexachlorocyclopentadiene	4.18	0.059	0.394		
67-72-1	Hexachloroethane	2.94	0.059	0.394		
193-39-5	Indeno(1,2,3-cd)pyrene	3.32	0.016	0.394		
78-59-1	Isophorone	3.43	0.013	0.394		

FORM | SV-1

Lab Name: _G	CAL	Sample ID: T-15-F MS		· · · · · · · · · · · · · · · · · · ·
Lab Code: LA	024 Case No.:	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e	7981	
Matrix: Solid		Lab Sample ID: 21101	140502	
Sample wt/vol:	30 Units: g	Date Collected: 01/13/	11 Time:	1400
Level: (low/med	l) LOW	Date Received: 01/14/	11	
% Moisture: 1	6.2 decanted: (Y/N)	Date Extracted: 01/14/	11	
GC Column: F	RTX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/	11 Time	: 1713
	ixtract Volume: 1000 (μL)	Dilution Factor: 1	Analy	rst: KCB
	e: 1.0 (µL)	Prep Method: 3550B		
	(Y/N) N pH:	Analytical Method: SW	<i>1-</i> 846 8270	
		Instrument ID: MSSV4		
CONCENTRAT	TION UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
98-95-3	Nitrobenžene	3.34	0.018	0.394
87-86-5	Pentachlorophenol	2.60	0.032	1.97
85-01-8	Phenanthrene	3.67	0.016	0.079
108-95-2	Phenol	2.95	0.019	0.394
129-00-0	Pyrene	3.90	0.055	0.394
110-86-1	Pyridine	2.24	0.022	0.394
1319-77-3M	m,p-Cresol	2.87	0.069	0.394
621-64-7	N-Nitroso-di-n-propylamine	3.43	0.020	0.079
62-75-9	N-Nitrosodimethylamine	3.18	0.020	0.394
86-30-6	N-Nitrosodiphenylamine	3.88	0.013	0.394
95-48-7	o-Cresol	2.95	0.012	0.394

Lab Name: GCAL Sample ID: T-15-F MSD						
	24 Case No.:	Contract:				
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7982				
Matrix: Solid		Lab Sample ID: 21101140503				
Sample wt/vol:	30 Units: g	Date Collected: 01/13	11 Time:	1400		
Level: (low/med)	LOW	Date Received: 01/14	111	~~~~~		
% Moisture: 16	.2 decanted: (Y/N)	Date Extracted: 01/14	<u>'11</u>			
GC Column: R1	X-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14		1729		
Concentrated Ext	tract Volume: 1000 ( µL )	Dilution Factor: 1	Analy	st: KCB		
Injection Volume:	1.0 (µL)	Prep Method: 3550B				
GPC Cleanup: (Y	//N) N pH:	Analytical Method: SV	V-846 8270			
	-	Instrument ID: MSSV4				
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	tch: 448983		
CAS NO.	COMPOUND	RESULT	MDL	RL		
122-66-7	1,2 Diphenylhydrazine	3.19	0.00897	0.394		
95-95-4	2,4,5-Trichlorophenol	2.93	0.047	0.394		
88-06-2	2,4,6-Trichlorophenol	2.63	0.062	0.394		
120-83-2	2,4-Dichlorophenol	2.83	0.063	0.394		
105-67-9	2,4-Dimethylphenol	2.84	0.050	0.394		
51-28-5	2,4-Dinitrophenol	2.16	0.211	1.97		
121-14-2	2,4-Dinitrotoluene	3.06	0.056	0.394		
606-20-2	2,6-Dinitrotoluene	3.19	0.023	0.394		
91-58-7	2-Chloronaphthalene	3.13	0.021	0.394		
95-57-8	2-Chlorophenol	2.81	0.030	0.394		
91-57-6	2-Methylnaphthalene	3.01	0.021	0.079		
88-74-4	2-Nitroaniline	2.91	0.044	1.97		
88-75-5	2-Nitrophenol	3.04	0.018	0.394		
91-94-1	3,3'-Dichlorobenzidine	2.53	0.252	0.788		
99-09-2	3-Nitroaniline	2.08	0.048	1.97		
534-52-1	2-Methyl-4,6-dinitrophenol	0.45	0.039	1.97		
101-55-3	4-Bromophenyl-phenylether	3.49	0.035	0.394		
59-50-7	4-Chloro-3-methylphenol	2.83		0.394		
106-47-8	4-Chloroaniline	1.73	0.039	0.394		
7005-72-3	4-Chlorophenyl-phenylether	3.15	0.044	0.394		
100-01-6	4-Nitroaniline	2.66	0.074	1.97		
100-02-7	4-Nitrophenol	2.61	0.136	1.97		
83-32-9	Acenaphthene	3.26	0.022	0.079		
208-96-8	Acenaphthylene	3.73	0.013	0.079		
98-86-2	Acetophenone		0.024	0.394		
62-53-3	Aniline	2.70	0.024	0.394		
120-12-7	Anthracene	2.54	0.021	0.394		
1912-24-9		4.68				
1912-24-9	Atrazine (Aatrex) Benzaldehyde	0.412 J	0.058	0.788 0.788		
100-02-1	Delizaldelilyde	U.712 J		0.700		

Lab Name: GC	AL (	Sample ID: T-15-F MSD	
Lab Code: LA0	24 Case No.:	Contract:	
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e798	32 /
Matrix: Solid		Lab Sample ID: 21101140	503
	30 Units: g	Date Collected: 01/13/11	Time: 1400
-			
Level: (low/med)	LOW	Date Received: 01/14/11	<u>, , ,</u>
% Moisture: 16	decanted: (Y/N)	Date Extracted: 01/14/11	
GC Column: R1	TX-5MS-30 ID: _25 (mm)	Date Analyzed: 01/14/11	Time: 1729
Concentrated Ex	tract Volume: _1000 (μL)	Dilution Factor: 1	Analyst: KCB
	:	Prep Method: 3550B	
	//N) N pH:	Analytical Method: SW-84	46 8270
Ci O Olcanap. (1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Instrument ID: MSSV4	
CONCENTRATIO	ON UNITS: mg/kg		
		Prep Batch: 448916	Analytical Batch: 448983
CAS NO.	COMPOUND	RESULT	MDL RL
56-55-3	Benzo(a)anthracene	3.32	0.017 0.079
50-32-8	Benzo(a)pyrene	3.44	0.023 0.079
205-99-2	Benzo(b)fluoranthene	2.82	0.012 0.394
191-24-2	Benzo(g[h,i)perylene	2.73	0.011 0.394
207-08-9	Benzo(k)fluoranthene	3.62	0.018 0.394
65-85-0	Benzoic acid	1.87 J	0.136 1.97
100-51-6	Benzyl alcohol	3.12	0.046 0.394
92-52-4	Biphenyl	3.10	0.013 0.394
111-91-1	Bis(2-Chloroethoxy)methane	3.30	0.022 0.394
111-44-4	Bis(2-Chloroethyl)ether	3.22	0.030 0.394
108-60-1	bis(2-Chloroisopropyl)ether	3.16	0.020 0.394
117-81-7	bis(2-ethylhexyl)phthalate	3.40	0.015 0.079
85-68-7	Butylbenzylphthalate	3.59	0.00831 0.394
105-60-2	Caprolactam	3.21	0.042 0.394
86-74-8	Carbazole	2.98	0.028 0.394
218-01-9	Chrysene	3.38	0.013 0.394
84-74-2	Di-n-butylphthalate	3.40	0.00952 0.394
117-84-0	Di-n-octýlphthalate	3.30	0.013 0.394
53-70-3	Dibenz(a,h)anthracene	2.85	0.011 0.079
132-64-9	Dibenzofuran	2.98	0.014 0.394
84-66-2	Diethylphthalate	3.32	0.036 0.394
131-11-3	Dimethyl-phthalate	3.31	0.00873 0.394
206-44-0	Fluoranthene	3.28	0.00872 0.394
86-73-7	Fluorene	3.20	0.012 0.079
118-74-1	Hexachlorobenzene	3.03	0.047 0.394
77-47-4	Hexachlorocyclopentadiene	3.40	0.059 0.394
67-72-1	Hexachloroethane	2.84	0.059 0.394
193-39-5	Indeno(1,2,3-cd)pyrene	2.61	0.016 0.394
78-59-1	Isophorone	3.26	0.013 0.394

FORM I SV-1

Lab Name: GC	AL	Sample ID: T-15-F MSD			
Lab Code: LA024 Case No.:		Contract:			
SAS No.: SDG No.: 211011405		Lab File ID: 2110114/e7982 '			
Matrix: Solid		Lab Sample ID: 21101140503			
Sample wt/vol: 30 Units: g		Date Collected: 01/13/11 Time: 1400			
Level: (low/med) LOW		Date Received: 01/14/11			
% Moisture: 16.	2 decanted: (Y/N)	Date Extracted: 01/14/11			
GC Column: RT	X-5MS-30 ID: .25 (mm	Date Analyzed: 01/14/11 Time: 1729	·······		
Concentrated Ext	ract Volume: 1000 (µL	Dilution Factor: 1 Analyst: KCB			
Injection Volume:	1.0 (µL	Prep Method: 3550B			
GPC Cleanup: (Y/N) N pH:		Analytical Method: SW-846 8270			
		Instrument ID: MSSV4			
CONCENTRATION UNITS: mg/kg		Prep Batch: 448916 Analytical Batch: 448983			
CAS NO.	COMPOUND	RESULT MDL RL			
98-95-3	Nitrobenzene	3.08 0.018 0.394	٦		
87-86-5	Pentachlorophenol	2.39 0.032 1.97			
85-01-8	Phenanthrene	3.32 0.016 0.079			
108-95-2	Phenol	2.76 0.019 0.394			
129-00-0	Pyrene	3.98 0.055 0.394			
110-86-1	Pyridine	2.45 0.022 0.394			
1319-77-3M	m,p-Cresol	2.77 0.069 0.394			
621-64-7	N-Nitroso-di-n-propylamine	3.25 0.020 0.079			
62-75-9	N-Nitrosodimethylamine	2.90 0.020 0.394			
86-30-6	N-Nitrosodiphenylamine	3.53 0.013 0.394			
95-48-7	o-Cresol	2.76 0.012 0.394			

			· ·		
Lab Name: GO	CAL	Sample ID: T-21-F			
Lab Code: LA	Case No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e79	83		
Matrix: Solid		Lab Sample ID: 2110114	0504		
Sample wt/vol: 30 Units: g		Date Collected: 01/13/11 Time: 1445			
Level: (low/med) LOW		Date Received: 01/14/11			
% Moisture: 16.7 decanted: (Y/N)		Date Extracted: 01/14/11			
		Date Analyzed: 01/14/11 Time: 1746			
	[	Dilution Factor: 1 Analyst: KCB			
	tract Volume: 1000 (µL)				
Injection Volume	: <u>  1.0</u> (μL)	Prep Method: 3550B			
GPC Cleanup: (	Y/N) N pH:	Analytical Method: SW-8	46 8270		
		Instrument ID: MSSV4			
CONCENTRATI	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Batch: 448983		
CAS NO.	COMPOUND	RESULT	MDL RL		
122-66-7	1,2 Diphenylhydrazine	0.396 U	0.00901 0.396		
95-95-4	2,4,5-Trichlorophenol	0.396 U	0.047 0.396		
88-06-2	2,4,6-Trichlorophenol	0.396 U	0.062 0.396		
120-83-2	2,4-Dichlorophenol	0.396 U	0.064 0.396		
105-67-9	2,4-Dimethylphenol	0.396 U	0.050 0.396		
51-28-5	2,4-Dinitrophenol	1.98 U	0.212 1.98		
121-14-2	2,4-Dinitrotoluene	0.396 U	0.056 0.396		
606-20-2	2,6-Dinitrotoluene	0.396 U	0.023 0.396		
91-58-7	2-Chloronaphthalene	0.396 U	0.021 0.396		
95-57-8	2-Chlorophenol	0.396 U	0.030 0.396		
91-57-6	2-Methylnaphthalene	0.128	0.021 0.079		
88-74-4	2-Nitroaniline	1.98 U	0.045 1.98		
88-75-5	2-Nitrophenol	0.396 U	0.018 0.396		
91-94-1	3,3'-Dichlorobenzidine	0.792 U	0.253 0.792		
99-09-2	3-Nitroaniline	1.98 U	0.048 1.98		
534-52-1	2-Methyl-4,6-dinitrophenol	1.98 U	0.039 1.98		
101-55-3	4-Bromophenyl-phenylether	0.396 U	0.035 0.396		
59-50-7	4-Chloro-3-methylphenol	0.396 U	0.031 0.396		
106-47-8	4-Chloroaniline	0.396 U	0.039 0.396		
7005-72-3	4-Chlorophenyl-phenylether	0.396 U	0.044 0.396		
100-01-6	4-Nitroaniline	1.98 U	0.074 1.98		
100-02-7	4-Nitrophenol	1.98 U	0.137 1.98		
83-32-9	Acenaphthene	0.142	0.022 0.079		
208-96-8	Acenaphthylene	0.045 J	0.013 0.079		
98-86-2	Acetophenone	0.396 U	0.025 0.396		
62-53-3	Aniline	0.396 U	0.021 0.396		
120-12-7	Anthracene	0.257	0.014 0.079		
1912-24-9	Atrazine (Aatrex)	0.792 U	0.059 0.792		
100-52-7	Benzaldehyde	0.792 U	0.036 0.792		

FORM | SV-1

Lab Name: GC	AL	Sample ID: T-	21-F		······································
Lab Code: LA0	24 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 21	10114/e798	3	
Matrix: Solid		Lab Sample ID:	211011405	504	,
Sample wt/vol: 30 Units: g		Date Collected: 01/13/11 Time: 1445			
Level: (low/med)		Date Received:	ŀ		
% Moisture: 16.7 decanted: (Y/N)		Date Extracted: 01/14/11			
GC Column: RTX-5MS-30 ID: .25 (mm)		Date Analyzed: 01/14/11 Time: 1746			
		Dilution Factor:	1)		st: KCB
	tract Volume: 1000 ( µL )		,		
Injection Volume	: <u>1.0</u> (µL)	Prep Method:	4	<del> </del>	
GPC Cleanup: (Y	//N) <u>N</u> pH:	Analytical Metho	od: SW-84	6 8270	
		Instrument ID:	MSSV4		
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: _4	48916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	• • •	MDL	RL
92-87-5	Benzidine	1.98	U	1.98	1.98
56-55-3	Benzo(a)anthracene	0.275	į.	0.017	0.079
50-32-8	Benzo(a)pyrene	0.188		0.023	0.079
205-99-2	Benzo(b)fluoranthene	0.295	J	0.012	0.396
191-24-2	Benzo(g,h,i)perylene	0.236	J	0.011	0.396
207-08-9	Benzo(k)fluoranthene	0.079	J	0.018	0.396
65-85-0	Benzoic acid	1.98	U	0.137	1.98
100-51-6	Benzyl alcohol	0.396	U	0.046	0.396
92-52-4	Biphenyl	0.062	J	0.013	0.396
111-91-1	Bis(2-Chloroethoxy)methane	0.396	U	0.022	0.396
111-44-4	Bis(2-Chloroethyl)ether	0.396	Tu	0.030	0.396
108-60-1	bis(2-Chloroisopropyl)ether	0.396	U	0.020	0.396
117-81-7	bis(2-ethylhexyl)phthalate	0.275		0.015	0.079
85-68-7	Butylbenzylphthalate	0.396	U	0.00835	0.396
86-74-8	Carbazole	0.396	U	0.028	0.396
218-01-9	Chrysene	0.377	J	0.013	0.396
84-74-2	Di-n-butylphthalate	0.396	U	0.00956	0.396
117-84-0	Di-n-octylphthalate	0.396	U .	0.013	0.396
53-70-3	Dibenz(a,h)anthracene	0.079	· U	0.011	0.079
132-64-9	Dibenzofuran	0.396	U	0.014	0.396
84-66-2	Diethylphthalate	0.396	U	0.037	0.396
131-11-3	Dimethyl-phthalate	0.396	U	0.00877	0.396
206-44-0	Fluoranthene	0.352	J	0.00876	0.396
86-73-7	Fluorene	0.160	, ,	0.012	0.079
118-74-1	Hexachlorobenzene	0.396	U	0.047	0.396
77-47-4	Hexachlorocyclopentadiene	0.396	U	0.059	0.396
67-72-1	Hexachloroethane	0.396	U	0.059	0.396
193-39-5	Indeno(1,2,3-cd)pyrene	0.257	J	0.016	0.396
78-59-1	Isophorone	0.396	U	0.013	0.396

FORM I SV-1

Lab Name: GCAL		Sample ID: T-21-F		· · · · · · · · · · · · · · · · · · ·	
Lab Code: LA024 Case No.:		Contract:			
SAS No.: SDG No.: 211011405		Lab File ID: 2110114/e7983			
Matrix: Solid		Lab Sample ID: 2110114	10504		
Sample wt/voi:	30 Units: g	Date Collected: 01/13/1	Time:	1445	
Level: (low/med		Date Received: 01/14/1			
% Moisture: 1	6.7 decanted: (Y/N)	Date Extracted: 01/14/1	·		
GC Column: R	RTX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/1	I Time	1746	
	xtract Volume: 1000 ( µL )	Dilution Factor: 1	Analy	rst: KCB	
	e: (µL)	Prep Method: 3550B			
GPC Cleanup: (Y/N) N pH:		Analytical Method: SW-846 8270			
		Instrument ID: MSSV4			
CONCENTRATION UNITS: mg/kg		Prep Batch: 448916 Analytical Batch: 44898			
CAS NO.	COMPOUND	RESULT	MDL	RL	
98-95-3	Nitrobenzene	0.396 U	0.018	0.396	
87-86-5	Pentachlorophenol	1.98 U	0.032	1.98	
85-01-8	Phenanthrene	1.18	0.016	0.079	
108-95-2	Phenol [	0.396 U	0.019	0.396	
129-00-0	Pyrene	0.832	0.056	0.396	
110-86-1	Pyridine	0.396 U	0.022	0.396	
1319-77-3M	m,p-Creșol	0.396 U	0.070	0.396	
621-64-7	N-Nitroso-di-n-propylamine	0.079 U	0.020	0.079	
62-75-9	N-Nitrosodimethylamine	0.396 U	0.020	0.396	
86-30-6	N-Nitrosodiphenylamine	0.396 U	0.013	0.396	
95-48-7	o-Cresol	0.396 U	0.012	0.396	

Lab Name: GCAL	Sample ID: T-21-F			
Lab Code: LA024 Case No.:	Contract:			
SAS No.: SDG No.: 211011405	Lab File ID: 2110117/e8009			
Matrix: Solid	Lab Sample ID: 21101140504			
Sample wt/vol: 30 Units: g	Date Collected: 01/13/11 Time: 1445			
Level: (low/med) LOW	Date Received: 01/14/11			
% Moisture: 16.7 decanted: (Y/N)	Date Extracted: 01/14/11			
GC Column: RTX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/17/11 Time: 0856			
Concentrated Extract Volume: 1000 ( µL )	Dilution Factor: 10 Analyst: KCB			
Injection Volume: 1.0 ( µL )	Prep Method: 3550B			
GPC Cleanup: (Y/N) N pH:	Analytical Method: SW-846 8270			
	Instrument ID: MSSV4			
CONCENTRATION UNITS: mg/kg	Prep Batch: 448916 Analytical Batch: 449083			
CAS NO. COMPOUND	RESULT MDL RL			
105-60-2 Caprolactam	27.5 0.420 3.96			

Lab Name: GC	AL .	Sample ID: N	IC-0-0.3		
Lab Code: LA0	Contract:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7984			
Matrix: Solid		Lab Sample ID: 21101140505			
Sample wt/vol: 30.2 Units: g		Date Collected: 01/13/11 Time: 1455			
Level: (low/med)	Low	Date Received: 01/14/11			
% Moisture: 17.1 decanted: (Y/N)		Date Extracted: 01/14/11			
GC Column: RTX-5MS-30 ID: .25 (mm)		Date Analyzed: 01/14/11 Time: 1803			1803
Concentrated Ext	tract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: KCB			st: KCB
	1.0 (µL)	Prep Method:	3550B		
	/N) N pH:	Analytical Meth	od: SW-8	346 8270	
		Instrument ID:	MSSV4		
CONCENTRATION UNITS: mg/kg  Prep Batch: 448916 Analytical Batch: 448983				tch: 448983	
CAS NO.	COMPOUND	RESULT		· · · · · · · · · · · · · · · · · · ·	RL
122-66-7	1,2 Diphenylhydrazine	0.395	U	0.00900	0.395
95-95-4	2,4,5-Trichlorophenol	0.395	Ū	0.047	0.395
88-06-2	2,4,6-Trichlorophenol	0.395	U	0.062	0.395
120-83-2	2,4-Dichlorophenol	0.395	U	0.064	0.395
105-67-9	2,4-Dimethylphenol	0.395	U	0.050	0.395
51-28-5	2,4-Dinitrophenol	1.98	U	0.212	1.98
121-14-2	2,4-Dinitrotoluene	0.395	U	0.056	0.395
606-20-2	2,6-Dinitrotoluene .	0.395	U	0.023	0.395
91-58-7	2-Chloronaphthalene	0.395	Ü	0.021	0.395
95-57-8	2-Chlorophenol	0.395	U	0.030	0.395
91-57-6	2-Methylnaphthalene	0.145		0.021	0.079
88-74-4	2-Nitroaniline	1.98	U.	0.044	1.98
88-75-5	2-Nitrophenol	0.395	Ü	0.018	0.395
91-94-1	3,3'-Dichlorobenzidine	0.791	U	0.253	0.791
99-09-2	3-Nitroaniline	1.98	U	0.048	1.98
534-52-1	2-Methyl-4,6-dinitrophenol	1.98	U	0.039	1.98
101-55-3	4-Bromophenyl-phenylether	0.395	. U	0.035	0.395
59-50-7	4-Chloro-3-methylphenol	0.395	Ų	0.031	0.395
106-47-8	4-Chloroaniline	0.395 ,	U	0.039	0.395
7005-72-3	4-Chlorophenyl-phenylether	0.395	C	0.044	0.395
100-01-6	4-Nitroaniline	1.98	υ	0.074	1.98
100-02-7	4-Nitrophenol	1.98	· U	0.137	1.98
83-32-9	Acenaphthene	0.069	J	0.022	0.079
208-96-8	Acenaphthylene	0.058	J	0.013	0.079
98-86-2	Acetophenone	0.068	J	0.025	0.395
62-53-3	Aniline	0.395	· U	0.021	0.395
120-12-7	Anthracene	0.113		0.014	0.079
1912-24-9	Atrazine (Aatrex)	0.791	U	0.058	0.791
100-52-7	Benzaldehyde	0.791	U	0.035	0.791

FORM I SV-1

Lab Name: GC	ab Name: GCAL Sample ID: NC-0-0.3				
Lab Code: LA02	Lab Code: LA024 Case No.: Contract:				
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7984			
Matrix: Solid		Lab Sample ID	: 2110114	0505	
		Date Collected	01/13/11	Time:	1455
Sample wt/vol: 30.2 Units: g Date Collected: 01/13/11 Time: 1455			1433		
Level: (low/med)	LOW	Date Received	: <u>01/14/11</u>		
% Moisture: 17	.1 decanted: (Y/N)	Date Extracted	: 01/14/11	·	
GC Column: RT	X-5MS-30 ID: .25 (mm)	Date Analyzed	: 01/14/11	Time:	1803
Concentrated Ext	ract Volume: 1000 (µL)	Dilution Factor	: <u>1                                   </u>	Analy	st: KCB
	1.0 (µL)	Prep Method:	3550B		
	/N) N pH:	Analytical Meth	nod: SW-8	346 8270	
		Instrument ID:	MSSV4		
CONCENTRATION UNITS: mg/kg Prep Batch: 448916 Analytical Batch: 448983				tch: 448983	
CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine .	1.98	ָּט <u>.</u>	1.98	1.98
56-55-3	Benzo(a)anthracene	0.217		0.017	0.079
50-32-8	Benzo(a)pyrene	0.162		0.023	0.079
205-99-2	Benzo(b)fluoranthene	0.346	J	0.012	0.395
191-24-2	Benzo(g,h,i)perylene	0.286	J	0.012	0.395
207-08-9	Benzo(k)fluoranthene	0.074	J	0.018	0.395
65-85-0	Benzoic acid	1.98	U	0.137	1.98
100-51-6	Benzyl alcohol	0.395	Ü	0.046	0.395
92-52-4	Biphenyl	0.058	J	0.013	0.395
111-91-1	Bis(2-Chloroethoxy)methane	0.395	U	0.022	0.395
111-44-4	Bis(2-Chloroethyl)ether	0.395	U	0.030	0.395
108-60-1	bis(2-Chloroisopropyl)ether	0.395	U.	0.020	0.395
117-81-7	bis(2-ethylhexyl)phthalate	0.501		0.015	0.079
85-68-7	Butylbenzylphthalate	0.395	U	0.00834	0.395
105-60-2	Caprolactam	0.395	U	0.042	0.395
86-74-8	Carbazole	0.395	υ	0.028	0.395
218-01-9	Chrysene	0.215	J	0.013	0.395
84-74-2	Di-n-butylphthalate	0.395	U	0.00955	0.395
117-84-0	Di-n-octylphthalate	0.395	U	0.013	0.395
53-70-3	Dibenz(a,h)anthracene	0.079	U !	0.011	0.079
132-64-9	Dibenzofuran	0.395	U	0.014	0.395
84-66-2	Diethylphthalate	0.395	U	0.037	0.395
131-11-3	Dimethyl-phthalate	0.395	U	0.00876	0.395
206-44-0	Fluoranthene	0.420	,	0.00875	0.395
86-73-7	Fluorene	0.115	Þ	0.012	0.079
118-74-1	Hexachlorobenzene	0.395	U.	0.047	0:395
77-47-4	Hexachlorocyclopentadiene	0.395	U	0.059	0.395
67-72-1	Hexachloroethane	0.395	U	0.059	0.395
193-39-5	Indeno(1,2,3-cd)pyrene	0.312	J !	0.016	0.395

FORM I SV-1

Lab Name: G	CAL	Sample ID: NC-0-0.3		
Lab Code: LA	024 Case No.:	Contract:		,
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114	/e7984	<del></del>
Matrix: Solid	1	Lab Sample ID: 2110	1140505	
Sample wt/vol:	30.2 Units: g	Date Collected: 01/1	3/11 Time:	1455
Level: (low/med)	LOW	Date Received: 01/14	4/11	
% Moisture: 1	7.1 decanted: (Y/N)	Date Extracted: 01/1	4/11	
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14	4/11 Time	1803
Concentrated Ex	Concentrated Extract Volume: 1000 (µL) Dilution Factor: 1 Analyst:		st: KCB	
Injection Volume	e: 1.0 (µL)	Prep Method: 3550B		
GPC Cleanup: (Y/N) N pH: Analytical Method: SW-846 8270				
	d d	Instrument ID: MSSV	4	
CONCENTRATI	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
78-59-1	Isophorone	0.395 U	0.013	0.395
98-95-3	Nitrobenzene	0.395 U	0.018	0.395
87-86-5	Pentachlorophenol	1.98 U	0.032	1.98
85-01-8	Phenanthrene	0.493	0.016	0.079
108-95-2	Phenol	0.395 U	0.019	0.395
129-00-0	Pyrene	0.380 J	0.055	0.395
110-86-1	Pyridine	0.395 U	0.022	0.395
1319-77-3M	m,p-Creşol	0.395 U	0.070	0.395
621-64-7	N-Nitroso-di-n-propylamine	0.079 U	0.020	0.079
62-75-9	N-Nitrosodimethylamine	0.395 U	0.020	0.395
86-30-6	N-Nitrosodiphenylamine	0.395 U	0.013	0.395
95-48-7	o-Cresol	0.395 U	0.012	0.395

Lab Name: GCAL Sample ID: T-2-WEST					
Lab Code: LA0	24 Case No.:	Contract:	I	· · · · · · · · · · · · · · · · · · ·	
SAS No.:	SDG No.: 211011405	Lab File ID: 21	110114/e79	85	· .
Matrix: Solid		Lab Sample ID:	2110114	0506	•
Sample wt/vol:	30 Units: g	Date Collected:	01/13/11	Time:	1505
Level: (low/med) LOW Date Received: 01/14/11					
% Moisture: 20	.1 decanted: (Y/N)	Date Extracted:	01/14/11		
	TX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1819
	tract Volume: 1000 (µL)	Dilution Factor:	1	Analy	st: KCB
	1.0 (µL)	Prep Method:	3550B		
	//N) N pH:	Analytical Metho	od: SW-8	46 8270	
Or O Olcanap. (1	711 PIL.	Instrument ID:	MSSVA		
CONCENTRATIO	ON UNITS: mg/kg	,	!'	4.12.15	
			1	Analytical Ba	
CAS NO.	COMPOUND	RESULT	• • • • • • • • • • • • • • • • • • • •	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.413	U	0.00939	0.413
95-95-4	2,4,5-Trichlorophenol	0.413	U ,	0.049	0.413
88-06-2	2,4,6-Trichlorophenol	0.413	U	0.065	0.413
120-83-2	2,4-Dichlorophenol	0.413	υŢ	0.066	0.413
105-67-9	2,4-Dimethylphenol	0.413	U	0.053	0.413
51-28-5	2,4-Dinitrophenol	2.06	U	0.221	2.06
121-14-2	2,4-Dinitrotoluene	0.413	U	0.058	0.413
606-20-2	2,6-Dinitrotoluene	0.413	U	0.024	0.413
91-58-7	2-Chloronaphthalene	0.413	υ	0.022	0.413
95-57-8	2-Chlorophenol	0.413	U	0.032	0.413
91-57-6	2-Methylnaphthalene	0.083	U .	0.022	0.083
88-74-4	2-Nitroaniline	2.06	Ü	0.046	2.06
88-75-5	2-Nitrophenol	0.413	Ū !	0.019	0.413
91-94-1	3,3'-Dichlorobenzidine	0.826	<del>- i i</del>	0.264	0.826
99-09-2	3-Nitroaniline	2.06	U "	0.050	2.06
534-52-1	2-Methyl-4,6-dinitrophenol	2.06	U	0.041	2.06
101-55-3	4-Bromophenyl-phenylether	0.413	U	0.036	0.413
59-50-7	4-Chloro-3-methylphenol	0.413	U (	0.033	0.413
106-47-8	4-Chloroaniline	0.413	U	0.041	0.413
7005-72-3	4-Chlorophenyl-phenylether	0.413	U	0.046	0.413
100-01-6	4-Nitroaniline	2.06	U	0.077	2.06
100-02-7	4-Nitrophenol	2.06	υ	0.143	2.06
83-32-9	Acenaphthene	0.083	<del>"</del> "	0.023	0.083
208-96-8	Acenaphthylene	0.083	U	0.014	0.083
98-86-2	Acetophenone	0.413	U	0.026	0.413
62-53-3	Aniline	0.413	U	0.022	0.413
120-12-7	Anthracene	0.083	<del>- 0</del>	0.015	0.083
1912-24-9	Atrazine (Aatrex)	0.826	U	0.061	0.826
100-52-7	Benzaldehyde	0.826	U	0.037	0.826
l · ·			- 1		

FORM | SV-1

Lab Name: GC	AL	Sample ID: T-2-WEST
Lab Code: LA0	24 Case No.:	Contract:
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7985
Matrix: Solid		Lab Sample ID: 21101140506
Sample wt/vol:	30 Units: g	Date Collected: 01/13/11 Time: 1505
Level: (low/med)	LOW	Date Received: 01/14/11
% Moisture: 20	.1 decanted: (Y/N)	Date Extracted: 01/14/11
GC Column: RT	TX-5MS-30 ID:25 (mm)	Date Analyzed: 01/14/11 Time: 1819
Concentrated Ext	tract Volume: 1000 ( µL )	Dilution Factor: 1 Analyst: KCB
Injection Volume:	1.0 (µL)	Prep Method: 3550B
GPC Cleanup: (Y	//N) N   pH:	Analytical Method: SW-846 8270
		Instrument ID: MSSV4
CONCENTRATIO	DN UNIT\$: mg/kg	Prep Batch: 448916 Analytical Batch: 448983
CAS NO.	COMPOUND	RESULT MDL RL
92-87-5	Benzidine	2.06 U 2.06 2.06
56-55-3	Benzo(a)anthracene	0.083 U 0.018 0.083
50-32-8	Benzo(a)pyrene	0.083 U 0.024 0.083
205-99-2	Benzo(b)fluoranthene	0.413 U 0.013 0.413
191-24-2	Benzo(g h,i)perylene	0.413 U 0.011 0.413
207-08-9	Benzo(k)fluoranthene	0.413 U 0.019 0.413
65-85-0	Benzoic acid	2.06 U 0.143 2.06
100-51-6	Benzyl alcohol	0.413 U 0.048 0.413
92-52-4	Biphenyl	0.029 J 0.014 0.413
111-91-1	Bis(2-Chloroethoxy)methane	0.413 U 0.023 0.413
111-44-4	Bis(2-Chloroethyl)ether	0.413 U 0.031 0.413
108-60-1	bis(2-Chloroisopropyl)ether	0.413 U 0.021 0.413
117-81-7	bis(2-etňylhexyl)phthalate	0.112 0.016 0.083
85-68-7	Butylbenzylphthalate	0.413 U 0.00871 0.413
105-60-2	Caprolactam	0.413 U 0.044 0.413
86-74-8	Carbazole	0.413 U 0.030 0.413
218-01-9	Chrysene	0.413 U 0.014 0.413
84-74-2	Di-n-butÿlphthalate	0.015 J 0.00997 0.413
117-84-0	Di-n-octÿlphthalate	0.413 U 0.014 0.413
53-70-3	Dibenz(ä,h)anthracene	0.083 U 0.011 0.083
132-64-9	Dibenzofuran	0.413 U 0.014 0.413
84-66-2	Diethylphthalate	0.413 U 0.038 0.413
131-11-3	Dimethyl-phthalate	0.413 U 0.00914 0.413
206-44-0	Fluoranthene	0.413 U 0.00913 0.413
86-73-7	Fluorene	0.020 J 0.013 0.083
118-74-1	Hexachlorobenzene	0.413 U 0.049 0.413
77-47-4	Hexachlorocyclopentadiene	0.413 U 0.062 0.413
67-72-1	Hexachloroethane	0.413 U 0.061 0.413
193-39-5	Indeno(1,2,3-cd)pyrene	0.413 U 0.017 0.413

FORM 1 SV-1

Lab Name: GCAL	Lab Name: GCAL Sample ID: T-2-WEST				······································
Lab Code: LA024 Case No.	:	Contract:	ĵ.	····	·
SAS No.: SDG No	o.: <u>211011405</u>	Lab File ID: 2	110114/e79	85	
Matrix: Solid		Lab Sample ID	: 2110114	0506	
Sample wt/vol: 30 Units: g		Date Collected	01/13/11	Time:	1505
Level: (low/med) LOW		Date Received	: 01/14/11		
% Moisture: 20.1 decanted: (Y	/N)	Date Extracted	: 01/14/11	·	
GC Column: RTX-5MS-30 ID:	.25 (mm)			Time:	•
Concentrated Extract Volume: 1000	(µL)	Dilution Factor	: 1	Analy	st: KCB
Injection Volume: 1.0	(µL)	Prep Method:	3550B		
GPC Cleanup: (Y/N) N pH:		A salational Color Color			
		Instrument ID:	MSSV4		
CONCENTRATION UNITS: mg/kg		Prep Batch:	448916	Analytical Ba	tch: 448983
CAS NO. COMPOUND		RESULT		MDL	RL
78-59-1 Isophorone		0.413	Ũ	0.014	0.413
98-95-3 Nitrobenzene		0.413	U	0.019	. 0.413
87-86-5 Pentachlorophenol		2.06	υį	0.034	2.06
85-01-8 Phenanthrene		0.024	J	0.017	0.083
108-95-2 Phenol		0.413	υ	0.020	0.413
129-00-0 Pyrene		0.413	U	0.058	0.413
110-86-1 Pyridine		0.413	U	0.023	0.413
1319-77-3M m,p-Cresol		0.413	Ü	0.073	0.413
621-64-7 N-Nitroso-di-n-propylam	ine	0.083	Ü	0.021	0.083
62-75-9 N-Nitrosodimethylamine		0.413	U	0.021	0.413
86-30-6 N-Nitrosodiphenylamine		0.413	U	0.013	0.413
95-48-7 o-Cresol		0.413	Ü	0.013	0.413

Lab Name: GC	CAL .	Sample ID: T-6-FLOO	R	
Lab Code: LAC	024 Case No.:	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e	7986	
Matrix: Solid		Lab Sample ID: 21101	140507	
Sample wt/vol:	30.1 Units: g	Date Collected: 01/13/	/11 Time:	1535
	N .	Date Received: 01/14/		
	LOW	,		
% Moisture: 26	decanted: (Y/N)	Date Extracted: 01/14/	<del></del>	
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/	11 Time:	: 1836
Concentrated Ex	tract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB
	: 1.0 (µL)	Prep Method: 3550B		
	Y/N) N pH:	Analytical Method: SV	V-846 8270	
C. C Cicanap. (	, , , , , , , , , , , , , , , , , , ,	Instrument ID: MSSV4		
CONCENTRATION UNITS: ma/ka				
0.40.40		Prep Batch: 448916		tch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.445 U	0.010	0.445
95-95-4	2,4,5-Trichlorophenol	0.445 U	0.053	0.445
88-06-2	2,4,6-Trichlorophenol	0.445 U	0.070	0.445
120-83-2	2,4-Dichlorophenol	0.445 U	0.072	0.445
105-67-9	2,4-Dimethylphenol	0.445 U	0.057	0.445
51-28-5	2,4-Dinitrophenol	2.22 U	0.238	2.22
121-14-2	2,4-Dinitrotoluene	0,445 U	0.063	0.445
606-20-2	2,6-Dinitrotoluene	0.445 U	0.026	0.445
91-58-7	2-Chloronaphthalene	0.445 U	0.024	0.445
95-57-8	2-Chlorophenol	0.445 U	0.034	0.445
91-57-6	2-Methylnaphthalene	0.089 U	0.024	0.089
88-74-4	2-Nitroaniline	2.22 U	0.050	2.22
88-75-5	2-Nitrophenol	0.445 U	0.020	0.445
91-94-1	3,3'-Dichlorobenzidine	0.889 U	0.284	0.889
99-09-2	3-Nitroaniline	2,22 U	0.054	2.22
534-52-1	2-Methyl-4,6-dinitrophenol	2.22 U	0.044	2.22
101-55-3	4-Bromophenyl-phenylether	0.445 U	0.039	0.445
59-50-7	4-Chloro-3-methylphenol	0.445 U	0.035	0.445
106-47-8	4-Chloroaniline	0.445 U	0.044	0.445
7005-72-3	4-Chlorophenyl-phenylether	0.445 U	0.049	0.445
100-01-6	4-Nitroaniline	2.22 U	0.083	2.22
100-02-7	4-Nitrophenol	2.22 U	0.154	2.22
83-32-9	Acenaphthene	0.089 U	0.025	0.089
208-96-8	Acenaphthylene	0.089 U	0.015	0.089
98-86-2	Acetophenone	0.046 J	0.028	0.445
62-53-3	Aniline	0.445 U	0.024	0.445
120-12-7	Anthracene	0.089 U	0.016	0.089
1912-24-9	Atrazine (Aatrex)	0.889 U	0.066	0.889
100-52-7	Benzaldehyde	0.889 U	0.040	0.889

FORM I SV-1

Lab Name: GCAL Sample ID: T-6-FLOOR				
Lab Code: LA024 Case No.:	Contract:	•		
SAS No.: SDG No.:211011405	· · · · · · · · · · · · · · · · · · ·	•		
Matrix: Solid	Lab Sample ID: 2110114	0507		
Sample wt/vol: 30.1 Units: g	Date Collected: 01/13/11 Time: 1535			
Level: (low/med) LOW	Date Received: 01/14/11			
% Moisture: 26.0 decanted: (Y/N)	Date Extracted: 01/14/11	,		
GC Column: RTX-5MS-30 ID: .25 (mm)	Data Analysis - 04/4/44			
Concentrated Extract Volume: 1000 (µL)		Analyst: KCB		
Injection Volume: 1.0 (µL)	Prep Method: 3550B	· · · · · · · · · · · · · · · · · · ·		
	Analytical Method: SW-8	46 8270		
GPC Cleanup: (Y/N) N pH:				
CONCENTRATION UNITS: mg/kg				
	Prep Batch: 448916	Analytical Batch: 448983		
CAS NO. COMPOUND	RESULT	MDL RL		
92-87-5 Benzidine	2.22 Ü	2.22 2.22		
56-55-3 Benzo(a)anthracene	0.089 U	0.019 0.089		
50-32-8 Benzo(a)pyrene	0.089 U	0.026 0.089		
205-99-2 Benzo(b)fluoranthene	0.445 U	0.014 0.445		
191-24-2 Benzo(g,h,i)perylene	0.445 U	0.012 0.445		
207-08-9 Benzo(k)fluoranthene	0.445 U	0.020 0.445		
65-85-0 Benzoic acid	2.22 U	0.154 2.22		
100-51-6 Benzyl alcohol	0.445 U	0.052 0.445		
92-52-4 Biphenyl	0.445 U	0.015 0.445		
111-91-1 Bis(2-Chloroethoxy)methane	0.445 U	0.025 0.445		
111-44-4 Bis(2-Chloroethyl)ether	0.445 U	0.034 0.445		
108-60-1 bis(2-Chloroisopropyl)ether	0.445 U	0.023 0.445		
117-81-7 bis(2-ethylhexyl)phthalate	0.089 U	0.017 0.089		
85-68-7 Butylbenzylphthalate	0.445 U	0.00938 0.445		
105-60-2 Caprolactam	0.445 Ü	0.047 0.445		
86-74-8 Carbazole	0.445 U	0.032 0.445		
218-01-9 Chrysene	0.445 U	0.015 0.445		
84-74-2 Di-n-butylphthalate	0.013 J	0.011 0.445		
117-84-0 Di-n-octylphthalate	0.445 U	0.015 0.445		
53-70-3 Dibenz(a,h)anthracene	0.089 U	0.012 0.089		
132-64-9 Dibenzofuran	0.445 U	0.015 0.445		
84-66-2 Diethylphthalate	0.445 U	0.041 0.445		
131-11-3 Dimethyl-phthalate	0.445 U	0.00985 0.445		
206-44-0 Fluoranthene	0.445 U	0.00984 0.445		
86-73-7 Fluorene	0.089 U	0.00984 0.443		
118-74-1 Hexachlorobenzene	0.009 U	0.053 0.445		
77-47-4 Hexachlorocyclopentadiene	0.445 U	0.055 0.445		
67-72-1 Hexachloroethane	0.445 U	0.066 0.445		
193-39-5 Indeno(1,2,3-cd)pyrene	0.445 U	0.008 0.445		

FORM I SV-1

Lab Name: GC	AL	Sample ID: T-6-FLOOR		
Lab Code: LA0	24 Case No.:	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e79	•	
Matrix: Solid		Lab Sample ID: 2110114	0507	
Sample wt/vol:	30.1 ! Units: g	Date Collected: 01/13/11	Time:	1535
Level: (low/med)	LOW 4	Date Received: 01/14/11		
% Moisture: 26	decanted: (Y/N)	Date Extracted: 01/14/11		
GC Column: R1	FX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/11	Time:	1836
	tract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB
	: (µL)	Down M. Hardy Office		
	//N) N pH:			
		Instrument ID: MSSV4		,
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
78-59-1	Isophorone	0.445 U	0.015	0.445
98-95-3	Nitrobenzene	0.445 U	0.021	0.445
87-86-5	Pentachlorophenol	2.22 U	0.036	2.22
85-01-8	Phenanthrene	0.089 U	0.018	0.089
108-95-2	Phenol	0.445 U	0.022	0.445
129-00-0	Pyrene	0.445 U	0.062	0.445
110-86-1	Pyridine	0.445 U	0.025	0.445
1319-77-3M	m,p-Cresol	0.445 U	0.078	0.445
621-64-7	N-Nitroso-di-n-propylamine	0.089 U.	0.023	0.089
62-75-9	N-Nitrosodimethylamine	0.445 U	0.023	0.445
86-30-6	N-Nitrosodiphenylamine	0.445 U	0.014	0.445
95-48-7	o-Cresol	0.445 U	. 0.014	0.445

Lab Name: GC	Lab Name: GCAL Sample ID: T-6-EAST				
Lab Code: LA0	Contract:				
SAS No.:	SDG No.: 211011405	Lab File ID: 21	10114/e79	87 .	
Matrix: Solid	· · · · · · · · · · · · · · · · · · ·	Lab Sample ID:	2110114	0508	
Sample wt/vol:	30 Units: g	Date Collected:	01/13/11	Time:	1555
Level: (low/med)	LOW	Date Received:	01/14/11	•	
% Moisture: 26	.5 decanted: (Y/N)	Date Extracted:	01/14/11		
	TX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1853
	tract Volume: 1000 (µL)	Dilution Factor:	1	Analy	st: KCB
	1.0 (µL)	Prep Method:	3550B	·	
	//N) N pH:	Analytical Metho	d: SW-8	46 8270	
		Instrument ID: I	MSSV4		
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: 44	18916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.449	U	0.010	0.449
95-95-4	2,4,5-Trichlorophenol	0.449	U	0.054	0.449
88-06-2	2,4,6-Trichlorophenol	0.449	Ü	0.070	0.449
120-83-2	2,4-Dichlorophenol	0.449	U	0.072	0.449
105-67-9	2,4-Dimethylphenol	0.449	U	0.057	0.449
51-28-5	2,4-Dinitrophenol	2.24	<del>U</del> )	0.241	2.24
121-14-2	2,4-Dinitrotoluene	0.449	U	0.063	0.449
606-20-2	2,6-Dinitrotoluene	0.449	U	0.027	0.449
91-58-7	2-Chloronaphthalene	0.449	υ	0.024	0.449
95-57-8	2-Chlorophenol	0.449	U	0.035	0.449
91-57-6	2-Methylnaphthalene	1.29	- 1	0.024	0.090
88-74-4	2-Nitroaniline	2.24	υ	0.050	2.24
88-75-5	2-Nitrophenol	0.449	י ט ו	0.021	0.449
91-94-1	3,3'-Dichlorobenzidine	0.898	U	0.287	0.898
99-09-2	3-Nitroaniline	2.24	υÏ	0.055	2.24
534-52-1	2-Methyl-4,6-dinitrophenol	2.24	U j	0.044	2.24
101-55-3	4-Bromophenyl-phenylether	0.449	υ	0.040	0.449
59-50-7	4-Chloro-3-methylphenol	0.449	U	0.035	0.449
106-47-8	4-Chloroaniline	0.449	υŢ	0.045	0.449`
7005-72-3	4-Chlorophenyl-phenylether	0.449	U	0.050	0.449
100-01-6	4-Nitroaniline	2.24	υ¦	0.084	2.24
100-02-7	4-Nitrophenol	2.24	U	0.155	2.24
83-32-9	Acenaphthene	0.233		0.025	. 0.090
208-96-8	Acenaphthylene	0.574		0.015	0.090
98-86-2	Acetophenone	0.951		0.028	0.449
62-53-3	Aniline	0.449	υ	0.024	0.449
120-12-7	Anthracene	0.072	J	0.016	· 0.090
1912-24-9	Atrazine (Aatrex)	0.898	U	0.066	0.898
100-52-7	Benzaldehyde	0.898	U	0.040	0.898

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Lab Name: GC	AL	Sample ID: T-6-EAST		
Lab Code: LA0	24	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/6	7987	
Matrix: Solid		Lab Sample ID: 21101	140508	
Sample wt/vol:	30 Units: g	Date Collected: 01/13	/11 Time:	1555
	Low	Date Received: 01/14	/11	
	.5 decanted: (Y/N)	Date Extracted: 01/14	/11	
•	"X-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14		: 1853
<u></u>		Dilution Factor: 1		yst: KCB
	tract Volume: 1000 (µL)	Prep Method: 3550B		
	1.0 (µL)	-	V 940 9270	
GPC Cleanup: (Y	//N) N   pH:	Analytical Method: SV	***************************************	
00105170471		Instrument ID: MSSV4		•
CONCENTRATIO	DN UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	itch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
92-87-5	Benzidine	2.24 U	2.24	2.24
56-55-3	Benzo(a)anthracene	0.090 U	0.019	0.090
50-32-8	Benzo(a)pyrene	0.090 U	0.026	0.090
205-99-2	Benzo(b)fluoranthene	0.449 U	0.014	0.449
191-24-2	Benzo(g,h,i)perylene	0.449 U	0.012	0.449
207-08-9	Benzo(k)fluoranthene	0.449 U	0.021	0.449
65-85-0	Benzoic acid	2.24 U	0.155	2.24
100-51-6	Benzyl alcohol	0.449 U	0.052	0.449
92-52-4	Biphenyl	0.435 J	0.015	0:449
111-91-1	Bis(2-Chloroethoxy)methane	0.449 U	0.025	0.449
111-44-4	Bis(2-Chloroethyl)ether	0.449 U	0.034	0.449
108-60-1	bis(2-Chiloroisopropyl)ether	0.449 U	0.023	0.449
117-81-7	bis(2-ethylhexyl)phthalate	0.090 U	0.017	0.090
85-68-7	Butylbenzylphthalate	0.449 U	0.00947	0.449
105-60-2	Caprolactam	0.449 U	0.048	0.449
86-74-8	Carbazőle	0.449 U	0.032	0.449
218-01-9	Chrysene	0.449 U	0.015	0.449
84-74-2	Di-n-butylphthalate	0.449 U	0.011	0.449
117-84-0	Di-n-octylphthalate	0.449 U	0.015	0.449
53-70-3	Dibenz(a,h)anthracene	0.090 U	0.012	0.090
132-64-9	Dibenzofuran	0.449 U	0.016	0.449
84-66-2	Diethylphthalate	0.449 U	0.041	0.449
131-11-3	Dimethyl-phthalate	0.449 U	0.00994	0.449
206-44-0	Fluoranthene	0.040 J	0.00993	0.449
86-73-7	Fluorene	0.268	0.014	0.090
118-74-1	Hexachlorobenzene	0.449 U	0.054	0.449
77-47-4	Hexachlorocyclopentadiene	0.449 U	0.067	0.449
67-72-1	Hexachloroethane	0.449 U	0.067	0.449
193-39-5	Indeno(1,2,3-cd)pyrene	0.449 U	0.018	0.449
		I -		1

FORM | SV-1

Lab Name: GCAL		Sample ID: T-6-EAST			
Lab Code: LA024 C	ase No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 2	110114/e79	87	
Matrix: Solid		Lab Sample ID	: 2110114	0508	
Sample wt/vol: 30 Units	: <u>g</u>	Date Collected	: <u>D1/13/11</u>	Time:	1555
Level: (low/med) LOW		Date Received	: 01/14/11		
% Moisture: 26.5 decar	nted: (Y/N)	Date Extracted	: 01/14/11		
GC Column: RTX-5MS-30	ID: .25 (mm)	Date Analyzed	: 01/14/11	Time	: 1853
Concentrated Extract Volume:	1000 (µL)	Dilution Factor	: 1	Analy	/st: KCB
Injection Volume: 1.0	( µL )	Prep Method:	3550B		,
GPC Cleanup: (Y/N) N		Analytical Meth	nod: SW-8	46 8270	
<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		Instrument ID:	MSSV4	•	
CONCENTRATION UNITS: mg/	/kg	Prep Batch:	448916	Analytical Ba	itch: 448983
CAS NO. COMPOUND		RESULT	1	MDL	RL
78-59-1 Isophorone		0.449	U	0.015	0.449
98-95-3 Nitrobenzene		0.449	U	0.021	0.449
87-86-5 Pentachloropher	nol	2.24	U	0.037	2.24
85-01-8 Phenanthrene		0.290	1	0.018	0.090
108-95-2 Phenol		0.449	Ų	0.022	0.449
129-00-0 Pyrene		0.063	J	0.063	0.449
110-86-1 Pyridine		0.449	U	0.025	0.449
1319-77-3M m,p-Cresol		0.174	J	0.079	0.449
621-64-7 N-Nitroso-di-n-p	ropylamine	0.090	U	0.023	0.090
62-75-9 N-Nitrosodimeth	ylamine	0.449	U	0.023	0.449
86-30-6 N-Nitrosodiphen	ylamine	0.449	U	0.014	0.449
95-48-7 o-Cresol		0.156	J	0.014	0.449

Lab Name: GC	AL	Sample ID: T-6-SOUTH	
Lab Code: LA0	24 Case No.:	Contract:	
SAS No.:	SDG No.: 211011405		
Matrix: Solid		Lab Sample ID: 2110114	0509
Sample wt/vol:	30.4 Units: g	Date Collected: 01/13/11	Time: 1615
Level: (low/med)	[	Date Received: 01/14/11	
% Moisture: 26	.1 decanted: (Y/N)	Date Extracted: 01/14/11	
	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/11	Time: 1909
	tract Volume: 1000 (µL)	Dilution Factor: 1	Analyst: KCB
	1.0 (µL)	Prep Method: 3550B	·
		Analytical Method: SW-8	346 8270
GPC Cleanup: (1	/N) N pH:	Instrument ID: MSSV4	· · · · · · · · · · · · · · · · · · ·
CONCENTRATIO	ON UNITS: mg/kg		
010110		•	Analytical Batch: 448983
CAS NO.	COMPOUND	RESULT	MDL RL
122-66-7	1,2 Diphenylhydrazine	0.441 U	0.010 0.441
95-95-4	2,4,5-Trichlorophenol	0.441 U	0.053 0.441
88-06-2	2,4,6-Trichlorophenol	0.441 U	0.069 0.441
120-83-2	2,4-Dichlorophenol	0.441 U	0.071 0.441
105-67-9	2,4-Dimethylphenol	0.441 U	0.056 0.441
51-28-5	2,4-Dinitrophenol	2.20 U	0.236 2.20
121-14-2	2,4-Dinitrotoluene	0.441 U	0.062 0.441
606-20-2	2,6-Dinitrotoluene	0.441 U	0.026 0.441
91-58-7	2-Chloronaphthalene	0.441 U	0.024 0.441
95-57-8	2-Chlorophenol	0.441 U	0.034 0,441
91-57-6	2-Methylnaphthalene	0.550	0.024 0.088
88-74-4	2-Nitroaniline	2.20 U	0.050 2.20
88-75-5	2-Nitrophenol	0.441 U	0.020 0.441
91-94-1	3,3'-Dichlorobenzidine	0.882 U	0.282 0.882
99-09-2	3-Nitroaniline	2.20 U	0.054 2.20
534-52-1	2-Methyl-4,6-dinitrophenol	2.20 U	0.043 2.20
101-55-3	4-Bromophenyl-phenylether	0.441 U	0.039 0.441
59-50-7	4-Chloro-3-methylphenol	0.441 U	0.035 0.441
106-47-8	4-Chloroaniline	0.441 U	0.044 0.441
7005-72-3	4-Chlorophenyl-phenylether	0.441 U	. 0.049 0.441
100-01-6	4-Nitroaniline	2.20 U	0.082 2.20
100-02-7	4-Nitrophenol	2.20 U	0.152 2.20
83-32-9	Acenaphthene	0.084 J	0.025 0.088
208-96-8	Acenaphthylene	0.037 J	0.015 0.088
98-86-2	Acetophenone	0.487	0.027 0.441
62-53-3	Aniline	0.441 U	0.024 0.441
120-12-7	Anthracene	· 0.088 U	0.015 0.088
1912-24-9	Atrazine (Aatrex)	0.882 U	0.065 0.882
100-52-7	Benzaldehyde	0.882 U	0.040 0.882

FORM I SV-1

Lab Name: GCAL Sample ID: T-6-SOUTH					
Lab Code: LA024 Case No.: Contract:					·
SAS No.:	SDG No.: 211011405	Lab File ID: _2	110114/e79	88	. '
Matrix: Solid		Lab Sample ID	: 2110114	0509	
	30.4 Units: g	Date Collected	: 01/13/11	Time:	1615
Level: (low/med)		Date Received			*
	.1 decanted: (Y/N)	Date Extracted	1		•
	X-5MS-30 ID: .25 (mm)		1	Time:	1909
				Analy	
	tract Volume: 1000 ( µL )	Prep Method:	ĺ		
Injection Volume:	1.0 (µL)				
GPC Cleanup: (Y	//N) N pH:	Analytical Meth	10d: SVV-8	46 8270	
CONCENTRATIO	ON LINUTES	Instrument ID:	MSSV4		
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch:	448916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT	ί J	MDL	RL
92-87-5	Benzidine	2.20	U	2.20	2.20
56-55-3	Benzo(a)anthracene	0.088	U	0.019	0.088
50-32-8	Benzo(a)pyrene	0.088	U	0.025	0.088
205-99-2	Benzo(b)fluoranthene	0.441	U	0.014	0.441
191-24-2	Benzo(g,h,i)perylene	0.441	U	0.012	0.441
207-08-9	Benzo(k)fluoranthene	0.441	U	0.020	0.441
65-85-0	Benzoic acid	2.20	U	0.152	2.20
100-51-6	Benzyl alcohol	0.441	υ	0.051	0.441
92-52-4	Biphenyl	0.180	J	0.015	0.441
111-91-1 .	Bis(2-Chloroethoxy)methane	0.441	U	0.024	0.441
111-44-4	Bis(2-Chloroethyl)ether	0.441	UΙ	0.033	0.441
108-60-1	bis(2-Chloroisopropyl)ether	0.441	Ü	0.023	0.441
117-81-7	bis(2-ethylhexyl)phthalate	0.088	U	0.017	0.088
85-68-7	Butylbenzylphthalate	0.441	U	0.00930	0.441
105-60-2	Caprolactam	0.441	υ	0.047	0.441
86-74-8	Carbazole	0.441	U	0.032	0.441
218-01-9	Chrysene	0.441	υĮ	0.015	0.441
84-74-2	Di-n-butylphthalate	0.017	J	0.011	0.441
117-84-0	Di-n-octylphthalate	0.441	U	0.014	0.441
53-70-3	Dibenz(a,h)anthracene	0.088	U	0.012	0.088
132-64-9	Dibenzofuran	0.441	U	0.015	0.441
84-66-2	Diethylphthalate	0.441	U	0.041	0.441
131-11-3	Dimethyl-phthalate	0.441	U	0.00976	0.441
206-44-0	Fluoranthene	0.048	J	0.00975	0.441
86-73-7	Fluorene	0.106		0.013	0.088
118-74-1	Hexachlorobenzene	0.441	υl	0.053	0.441
77-47-4	Hexachlorocyclopentadiene	0.441	υ	0.066	0.441
67-72-1	Hexachloroethane	0.441	U	0.065	0.441
193-39-5	Indeno(1,2,3-cd)pyrene	0.441	U	0.018	0.441

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Lab Name: GC	CAL	Sample ID: T-6-SOUTH		
Lab Code: LAC	024	Contract:	· · · · · · · · · · · · · · · · · · ·	1
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7988	3	
Matrix: Solid	-	Lab Sample ID: 211011405	509	
Sample wt/vol:	30.4 Units: g	Date Collected: 01/13/11	Time:	1615
Level: (low/med)		Date Received: 01/14/11		
% Moisture: 26	decanted: (Y/N)	Date Extracted: 01/14/11		
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/11	Time:	1909 ·
Concentrated Ex	tract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB
Injection Volume	: 1.0 (µL)	Prep Method: 3550B		
,	//N) N pH:	Analytical Method: SW-846	6 8270	
		Instrument ID: MSSV4		
CONCENTRATI	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Bat	tch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
78-59-1	Isophorone	0.441 U	0.014	0.441
98-95-3	Nitrobenzene	0.441 U	0.020	0.441
87-86-5	Pentachlorophenol	2.20 U	0.036	2.20
85-01-8	Phenanthrene	0.129	0.018	0.088
108-95-2	Phenol	0.441 U	0.021	0.441
129-00-0	Pyrene	0.441 U	0.062	0.441
110-86-1	Pyridine	0.441 U	0.025	0.441
1319-77-3M	m,p-Cresol	0.118 J	0.078	0.441
621-64-7	N-Nitroso-di-n-propylamine	0.088 U	0.022	0.088
62-75-9	N-Nitrosodimethylamine	0.441 U	0.023	0.441
86-30-6	N-Nitros odiphenylamine	0.441 U	0.014	0.441
95-48-7	o-Cresol	0.097 J	0.013	0.441

Lab Name: GCAL Sample ID: T-6-NORTH					
Lab Code: LA024 Case No.: Contract:					
SAS No.:	SDG No.: 211011405	Lab File ID: 2	110114/e798	9	
Matrix: Solid		Lab Sample ID	: 21101140	510	•
Sample wt/vol:	30.2 Units: g	Date Collected	: 01/13/11	Time:	1625
Level: (low/med)	LOW	Date Received	: _01/14/11		
% Moisture: 22	.5 decanted: (Y/N)	Date Extracted	: 01/14/11		
GC Column: RT	X-5MS-30 ID: .25 (mm)	Date Analyzed	: 01/14/11	Time:	1926
Concentrated Ext	ract Volume: 1000 ( µL )	Dilution Factor	: 1	Analy	st: KCB .
•	1.0 (µL)	Prep Method:	,	·	
	//N) N pH:	Analytical Meth	nod: SW-84	6 8270	
	**************************************	Instrument ID:	MSSV4		
CONCENTRATIO	DN UNITS: mg/kg	Prep Batch:	1	Analytical Bat	ch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.423	U,	0.00962	0.423
95-95-4	2,4,5-Trichlorophenol	0.423	U	0.050	0.423
88-06-2	2,4,6-Trichlorophenol	0.423	U	0.066	0.423
120-83-2	2,4-Dichlorophenol	0.423	U	0.068	. 0.423
105-67-9	2,4-Dimethylphenol	. 0.423	U	0.054	0.423
51-28-5	2,4-Dinitrophenol	2.11	U	0.227	2.11
121-14-2	2,4-Dinitrotoluene	0.423	Ü	0.060	0.423
606-20-2	2,6-Dinitrotoluene	0.423	U	0.025	0.423
91-58-7	2-Chloronaphthalene	0.423	U	0.023	0.423
95-57-8	2-Chlorophenol	0.423	U	0.033	0.423
91-57-6	2-Methylnaphthalene	0.085	U	0.023	0.085
88-74-4	2-Nitroaniline	2.11	U	0.048	2.11
88-75-5	2-Nitrophenol	0.423	Ü	0.019	0.423
91-94-1	3,3'-Dichlorobenzidine	0.846	υ	0.270	0.846
99-09-2	3-Nitroaniline	2.11	Ü	0.052	2.11
534-52-1	2-Methyl-4,6-dinitrophenol	2.11	U	0.042	2.11
101-55-3	4-Bromophenyl-phenylether	0.423	U	0.037	0.423
59-50-7	4-Chloro-3-methylphenol	0.423	U	0.033	0.423
106-47-8	4-Chloroaniline	0.423	υ	0.042	0.423
7005-72-3	4-Chlorophenyl-phenylether	0.423	υl	0.047	0.423
100-01-6	4-Nitroaniline	2.11	Uţ	0.079	2.11
100-02-7	4-Nitrophenol	2.11	U	0.146	2.11
83-32-9	Acenaphthene	0.085	U	0.024	0.085
208-96-8	Acenaphthylene	0.040	J	0.014	0.085
98-86-2	Acetophenone	0.423	U	0.026	0.423
62-53-3	Aniline	0.423	υ∥	0.023	0.423
120-12-7	Anthracene .	0.085	υ¦	0.015	0.085
1912-24-9	Atrazine (Aatrex)	0.846	U	0.063	0.846
100-52-7	Benzaldehyde	0.846	υ	0.038	0.846

FORM | SV-1

Lab Name: G	CAL	Sample ID: T-6-NORTH	
Lab Code: LA	024 Case No.:	Contract:	
SAS No.:			
Matrix: Solid		Lab Sample ID: 2110114	10510
Sample wt/vol:	30.2 Units: g	Date Collected: 01/13/1	Time: 1625
	LOW	Date Received: 01/14/1	
% Moisture: _2	decanted: (Y/N)	Date Extracted: 01/14/1	
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/1	1 Time: 1926
Concentrated Ex	dract Volume: 1000 (µL)	Dilution Factor: 1	Analyst: KCB
	e:(µL)	Prep Method: 3550B	
	Y/N) N pH:	Analytical Method: SW-	846 8270
		Instrument ID: MSSV4	
CONCENTRATI	ON UNITS: mg/kg	Prep Batch: 448916	
CAS NO.	COMPOUND	RESULT	MDL RL
92-87-5	Benzidine	2.11 U	2.11 2.11
56-55-3	Benzo(a)anthracene	0.085 U	0.018 0.085
50-32-8	Benzo(a)pyrene	0.085 U	0.024 0.085
205-99-2	Benzo(b)fluoranthene	0.423 U	0.013 0.423
191-24-2	Benzo(g,h,i)perylene	0.181 J	0.012 0.423
207-08-9	Benzo(k)fluoranthene	0.423 U	0.019 0.423
65-85-0	Benzoic acid	2.11 U	0.146 2.11
100-51-6	Benzyl alcohol	0.423 U	0.049 0.423
92-52-4	Biphenyl	0.423 U	0.014 0.423
111-91-1	Bis(2-Chloroethoxy)methane	0.423 U	0.023 0.423
111-44-4	Bis(2-Chloroethyl)ether	0.423 U	0.032 0.423
108-60-1	bis(2-Chloroisopropyl)ether	0.423 U	0.022 0.423
117-81-7	bis(2-ethylhexyl)phthalate	0.115	0.016 0.085
85-68-7	Butylbenzylphthalate	0.423 U	0.00892 0.423
105-60-2	Caprolactam	0.423 U	0.045 0.423
86-74-8	Carbazole	0.423 U	0.030 0.423
218-01-9	Chrysene	0.023 J	0.014 0.423
84-74-2	Di-n-butylphthalate	0.423 U	0.010 0.423
117-84-0	Di-n-octylphthalate	0.423 U	0.014 0.423
53-70-3	Dibenz(a,h)anthracene	0.085 U	0.012 0.085
132-64-9	Dibenzofuran	0.423 U	0.015 0.423
84-66-2	Diethylphthalate	0.044 J	0.039 0.423
131-11-3	Dimethýl-phthalate	0.423 U	0.00937 0.423
206-44-0	Fluoranthene	0.015 J	0.00935 0.423
86-73-7	Fluorene	0.085 U	0.013 0.085
118-74-1	Hexachlorobenzene	0.423 U	0.051 0.423
77-47-4	Hexachlorocyclopentadiene	0.423 U	0.063 0.423
67-72-1	Hexachioroethane	0.423 U	0.063 0.423
193_39_5	Indeno(1.2.3-cd)nyrene	0.423	0.017 0.423

Lab Name: GC	AL .	Sample ID: T-6-NORTH	1	
Lab Code: LA02	Case No.:	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7	989	· ·
Matrix: Solid		Lab Sample ID: 211011	40510	
Sample wt/vol:	30.2 Units: g	Date Collected: 01/13/1	1 Time:	1625
Level: (low/med)	LOW	Date Received: 01/14/1	1	
% Moisture: 22.	.5 " decanted: (Y/N)	Date Extracted: 01/14/1	1	· .
GC Column: RT	X-5MS-30 ID:25 (mm)	Date Analyzed: 01/14//	1 Time	: 1926
Concentrated Ext	ract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB
Injection Volume:	1.0 (µL)	Prep Method: 3550B		
GPC Cleanup: (Y	/N) N pH:	Analytical Method: SW	-846 8270	
		Instrument ID: MSSV4		
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: 448916	Analytical Ba	itch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
78-59-1	Isophorone	0.423 U	0.014	0.423
98-95-3	Nitrobenzene	0.423 U	0.020	0.423
87-86-5	Pentachlorophenol	2.11 U	0.035	2.11
85-01-8	Phenanthrene	0.019 J	0.017	0.085
108-95-2	Phenol	0.092 J	0.020	0.423
129-00-0	Pyrene	0.423 U	0.059	0.423
110-86-1	Pyridine	0.423 U	0.024	0.423
1319-77-3M	m,p-Cresol	0.423 U	0.074	0.423
621-64-7	N-Nitroso-di-n-propylamine	0.085 U	0.021	0.085
62-75-9	N-Nitrosodimethylamine	0.423 U	0.022	0.423
86-30-6	N-Nitrosodiphenylamine	0.423 U	0.013	0,423
95-48-7	o-Cresol	0.423 U	0.013	0.423

Lab Name: _G	CAL	Sample ID: B	LIND DUP		
Lab Code: LA	.024 Case No.:	Contract:			
SAS No.:	SDG No.: - 211011405				and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
Matrix: Solid		Lab Sample ID:	: 2110114	0511	
Sample wt/vol:	30.1 Units: g	Date Collected:	01/13/11	Time:	0000
Level: (low/med	ř	Date Received:	01/14/11		
% Moisture: _2	decanted: (Y/N)	Date Extracted:	01/14/11	<u> </u>	
GC Column: F	RTX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1943
Concentrated E	xtract Volume: 1000 (µL)	Dilution Factor:	1	Analy	st: KCB
	e: 1.0 (µL)	Prep Method:	3550B		
GPC Cleanup:	(Y/N) N pH:	Analytical Meth	od: SW-8	346 8270	
•		Instrument ID:	MSSV4		•
CONCENTRAT	TION UNIT\$: mg/kg	Prep Batch: 4	 148916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.434	U	0.00987	0.434
95-95-4	2,4,5-Trichlorophenol	0.434	U	0.052	0.434
	4	0.434	U	0.068	0.434
88-06-2	2,4,6-Trichlorophenol	L	U		0.434
120-83-2	2,4-Dichlorophenol	0.434	U	0.070	
105-67-9	2,4-Dimethylphenol	0.434		0.055	0.434
51-28-5	2,4-Dinitrophenol	2.17	U	0.233	2.17
121-14-2	2,4-Dinitrotoluene	0.434	Ü	0.061	0.434
606-20-2	2,6-Dinitrotoluene	0.434	<u> </u>	0.026	0.434
91-58-7	2-Chloronaphthalene	0.434	U	0.024	0.434
95-57-8	2-Chlorophenol	0.434	U	0.033	0.434
91-57-6	2-Methylnaphthalene	0.591		0.023	0.087
88-74-4	2-Nitroaniline	2.17	U	0.049	2.17
88-75-5	2-Nitrophenol	0.434	U	0.020	0.434
91-94-1	3,3'-Dichlorobenzidine	0.867	U	0.277	0.867
99-09-2	3-Nitroaniline	2.17	U	0.053	2.17
534-52-1	2-Methyl-4,6-dinitrophenol	2.17	U	0.043	2.17
101-55-3	4-Bromophenyl-phenylether	0.434	U	0.038	0.434
59-50-7	4-Chloro 3-3-methylphenol	0.434	บ	0.034	0.434
106-47-8	4-Chlorophenyl-phenylether	0.434 0.434	U	0.043 0.048	0.434 0.434
7005-72-3		2.17			
100-01-6	4-Nitroaniline		U	0.081	2.17
100-02-7 83-32-9	4-Nitrophenol	2.17	U	0.150	2.17
208-96-8	Acenaphthylono	0.097 0.285		0.025	0.087
	Acetaphonene		<del></del>	0.015	0.087
98-86-2	Acetophenone	0.819 0.434	U	0.027	0.434
62-53-3	Anthrosens		J	0.023	0.434
120-12-7	Anthracene	0.038		0.015	0.867
1912-24-9	Atrazine (Aatrex)	0.867	U	0.064	
100-52-7	Benzaldehyde	0.867	U	0.039	0.867

FORM I SV-1

Lab Name: G	CAL	Sample ID: B	LIND DUP		
Lab Code: LA	024 Case No.:	Contract:	,		·
SAS No.:	SDG No.: 211011405		į.	0	
Matrix: Solid		Lab Sample ID	: 21101140	511	
		Data Callagia	04/42/44	Time	0000
	30.1 Units: g	Date Collected:	1	Time:	0000
Level: (low/med	) LOW	Date Received:	01/14/11		
% Moisture: 2	4.1 decanted: (Y/N)	Date Extracted	01/14/11		
GC Column: F	RTX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1943
	xtract Volume: 1000 (µL)	Dilution Factor:	1	Analys	st: KCB
	e: 1.0 (µL)	Prep Method:	3550B		
		Analytical Meth	1	I6 8270	
GPC Cleanup: (	(Y/N) N pH:			10 0210	
		Instrument ID:	MSSV4		
CONCENTRAT	TON UNITS: mg/kg	Prep Batch:	<b>1</b> 48916	Analytical Bat	ch: 448983
CAS NO.	COMPOUND	RESULT	!	MDL	RL
92-87-5	Benzidine	2.17	U	2.17	2.17
56-55-3	Benzo(a)anthracene	0.087	U	0.019	0.087
50-32-8	Benzo(a)pyrene	0.087	U	0.025	0.087
205-99-2	Benzo(b)fluoranthene	0.434	U	0.014	0.434
191-24-2	Benzo(g,h,i)perylene	0.434	U	0.012	0.434
207-08-9	Benzo(k)fluoranthene	0,434	U	0.020	0.434
65-85-0	Benzoic acid	2,17	U	0.150	2.17
100-51-6	Benzyl alcohol	0.434	U	0.050	0.434
92-52-4	Biphenyl	0.202	Ji.	0.014	0.434
111-91-1	Bis(2-Chloroethoxy)methane	0,434	- U -	0.024	0.434
111-44-4	Bis(2-Chloroethyl)ether	0.434	U	0.033	0.434
108-60-1	bis(2-Chloroisopropyl)ether	0.434	U	0.022	0.434
117-81-7	bis(2-ethylhexyl)phthalate	0.087	U	0.017	0.087
85-68-7	Butylbenzylphthalate	0.434	U	0.00914	0.434
105-60-2	Caprolactam	0.434	U	0.046	0.434
86-74-8	Carbazole	0.434	υ	0.031	0.434
218-01-9	Chrysene	0.434	U	0.015	0.434
84-74-2	Di-n-butylphthalate	0.434	U	0.010	. 0.434
117-84-0	Di-n-octylphthalate	0.434	U	0.014	0.434
53-70-3	Dibenz(a,h)anthracene	0.087	U	0.012	0.087
132-64-9	Dibenzofuran	0.434	U	0.015	0.434
84-66-2	Diethylphthalate	0.040	J	0.040	0.434
131-11-3	Dimethyl-phthalate	0.434	U	0.00960	0.434
206-44-0	Fluoranthene	0.030	J	0.00959	0.434
86-73-7	Fluorene	0.138		0.013	0.087
118-74-1	Hexachlorobenzene	0.434	U	0.052	0.434
77-47-4	Hexachlorocyclopentadiene	0.434	U	0.065	0.434
67-72-1	Hexachloroethane	0.434	U ,	0.064	0.434
193-39-5	Indeno(1,2,3-cd)pyrene	0.434	U	0.017	0.434

Lab Name: GCAL		Sample ID: BLIND DUP			
Lab Code: LAC	024 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e799	0		
Matrix: Solid		Lab Sample ID: 21101140	511		
Sample wt/vol:	30.1 Units: g	Date Collected: 01/13/11	Time: _000	0	
Level: (low/med)	LOW	Date Received: 01/14/11			
% Moisture: 24	decanted: (Y/N)	Date Extracted: 01/14/11			
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/11	Time:		
Concentrated Ex	dract Volume: 1000 ( µL )	Dilution Factor: 1	Analyst: _	(CB	
Injection Volume	e: (μL)	Prep Method: 3550B			
GPC Cleanup: (	Y/N) N pH:	Analytical Method: SW-84	6 8270		
		Instrument ID: MSSV4			
CONCENTRATI	ON UNITŜ: mg/kg	Prep Batch: 448916	Analytical Batch:	448983	
CAS NO.	COMPOUND	RESULT	MDL	RL	
78-59-1	Isophorone	0.434 U	0.014	0.434	
98-95-3	Nitrobenzene	0.434 U	0.020	0.434	
87-86-5	Pentachlorophenol	2.17 U	0.035	2.17	
85-01-8	Phenanthrene	0.158	0.018	0.087	
108-95-2	Phenol	0.434 U	0.021	0.434	
129-00-0	Pyrene	0.434 U	0.061	0.434	
110-86-1	Pyridine	0.434 U	0.024	0.434	
1319-77-3M	m,p-Cresol	0.179 J	0.076	0.434	
621-64-7	N-Nitroso-di-n-propylamine	0.087 U	0.022	0.087	
62-75-9	N-Nitrosodimethylamine	0.434 U	0.022	0.434	
86-30-6	N-Nitrosodiphenylamine	0.434 U	0.014	0.434	
95-48-7	o-Cresol	0.161 J	0.013	0.434	

122-66-7	Lab Name: GC	AL	Sample ID: S	C-W			
Matrix   Solid   Lab Sample ID:   21101140512   Sample W/vol;   30   Units: g   Date Collected:   01/13/11   Time:   1645	Lab Code: LA024 Case No.: Contract:						
Matrix   Solid   Lab Sample ID:   21101140512   Sample W/vol;   30   Units: g   Date Collected:   01/13/11   Time:   1645	SAS No.:	SAS No.: SDG No.: 211011405 Lab File ID: 2110114/e7991					
Level: (low/med) LOW Date Received: 01/14/11  % Moisture: 23.5 decanted: (Y/N) Date Extracted: 01/14/11  GC Column: RTX-SMS-30 ID: 25 (mm) Date Analyzed: 01/14/11 Time: 2000  Concentrated Extract Volume: 1000 (μL) Dilution Factor: 1 Analyst: KCB  Injection Volume: 1.0 (μL) Prep Method: 3550B  GPC Cleanup: (Y/N) N pH: Analytical Method: SW-846 8270  Instrument ID: MSSV4  CONCENTRATION UNITS: mg/kg  Prep Batch: 448916 Analytical Batch: 448983  CAS NO. COMPOUND RESULT MDL RL  122-66-7 1.2 Diphenylhydrazine 0.431 U 0.00981 0.431  88-06-2 2,4.6-Trichlorophenol 0.431 U 0.068 0.431  120-83-2 2,4-Dinchtyphenol 0.431 U 0.068 0.431  151-28-5 2,4-Dinktyphenol 0.431 U 0.069 0.431  151-28-5 2,4-Dinktyphenol 0.431 U 0.069 0.431  151-28-5 2,4-Dinktyphenol 0.431 U 0.065 0.431  151-28-7 2.Chilorophenol 0.431 U 0.065 0.431  191-57-8 2-Chilorophenol 0.431 U 0.062 0.431  191-57-8 2-Chilorophenol 0.431 U 0.062 0.431  191-57-8 2-Chilorophenol 0.431 U 0.023 0.431  191-57-8 2-Chilorophenol 0.431 U 0.023 0.431  191-57-8 2-Chilorophenol 0.431 U 0.023 0.431  191-57-8 2-Chilorophenol 0.431 U 0.023 0.086  188-74-4 2-Nitrophenol 0.431 U 0.023 0.086  188-75-5 2-Nitrophenol 0.431 U 0.020 0.431  191-55-3 4-Bromophenyl-phenol 0.431 U 0.063 0.431  191-55-3 4-Bromophenyl-phenol 0.431 U 0.020 0.431  191-55-3 4-Bromophenyl-phenol 0.431 U 0.034 0.431  191-55-3 4-Bromophenyl-phenol 0.431 U 0.034 0.431  191-55-3 4-Bromophenyl-phenol 0.431 U 0.034 0.431  100-01-6 4-Nitrophinol 0.431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.048 0.431  100-01-6 4-Nitrophinol 0.0431 U 0.0686 0.0686  101-02-7 4-Nitrophinol 0.0431 U 0.0686 0.0686				: 2110114	0512		
% Moisture:         23.5         decanted: (YN)         Date Extracted:         01/14/11         Time:         2000           GC Column:         RTX-5MS-30         ID:         .25         (mm)         Date Analyzed:         01/14/11         Time:         2000           Concentrated Extract Volume:         1.0         (μL)         Dilution Factor:         1         Analysts:         KCB           Injection Volume:         1.0         (μL)         Prep Method:         3555B         4868270           GCC Cleanup: (Y/N)         N         pH:         Instrument ID:         MSSV4           CONCENTRATION UNITS:         mg/kg         Prep Batch:         448916         Analytical Batch:         448983           CAS NO.         COMPOUND         RESULT         MDL         RL           122-66-7         1,2 Diphenylhydrazine         0.431         U         0.00981         0.431           95-95-4         2,4,5-Trichlorophenol         0.431         U         0.069         0.431           120-83-2         2,4-Dinitrophenol         0.431         U         0.069         0.431           15-28-5         2,4-Dinitrophenol         0.431         U         0.069         0.431           19-58-7         2,Chloro	Sample wt/vol:	30 Units: g	Date Collected	01/13/11	Time:	1645	
Concentrated Extract Volume: 1000	Level: (low/med)	LOW	Date Received:	: <u>01/14/11</u>			
Concentrated Extract Volume: 1.0	% Moisture: 23	.5 decanted: (Y/N)	Date Extracted	: 01/14/11			
Injection Volume:   1.0	GC Column: R1	TX-5MS-30 ID:25 (mm)					
Analytical Method:   SW-846 8270     Instrument ID:   MSSV4	Concentrated Ex	tract Volume: 1000 ( µL )	Dilution Factor:	1 /	Analy	st: KCB	
CONCENTRATION UNITS: mg/kg	Injection Volume	: 1.0 (uL)	Prep Method:	3550B	·		
Instrument ID: MSSV4			Analytical Meth	od: SW-8	346 8270		
CONCENTRATION UNITS:         mg/kg         Prep Batch:         448916         Analytical Batch:         448983           CAS NO.         COMPOUND         RESULT         MDL         RL           122-66-7         1,2 Diphenyinydrazine         0.431         U         0.0981         0.431           88-06-2         2,4,6-Trichlorophenol         0.431         U         0.068         0.431           120-83-2         2,4-Dichlorophenol         0.431         U         0.069         0.431           105-67-9         2,4-Dinitrophenol         0.431         U         0.055         0.431           112-14-2         2,4-Dinitrotophenol         2.16         U         0.231         2.16           121-14-2         2,4-Dinitrotoluene         0.431         U         0.061         0.431           121-14-2         2,4-Dinitrotoluene         0.431         U         0.023         0.431           91-58-7         2,4-Dinitrotoluene         0.431         U         0.025         0.431           95-57-8         2,4-Dinitrotoluene         0.431         U         0.023         0.431           95-57-8         2,4-Dinitrotoluene         0.431         U         0.023         0.431           91-57	O. O. O.O. O. O.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Instrument ID:	MSSV4			
CAS NO.         COMPOUND         RESULT         MDL         RL           122-66-7         1,2 Diphenylhydrazine         0.431         U         0.00981         0.431           95-95-4         2,4,5-Trichlorophenol         0.431         U         0.051         0.431           88-06-2         2,4,6-Trichlorophenol         0.431         U         0.068         0.431           120-83-2         2,4-Dichlorophenol         0.431         U         0.069         0.431           105-67-9         2,4-Dimitrophenol         0.431         U         0.055         0.431           51-28-5         2,4-Dinitrophenol         2.16         U         0.231         2.16           121-14-2         2,4-Dinitrotoluene         0.431         U         0.061         0.431           91-58-7         2-Chlorophenol         0.431         U         0.025         0.431           91-58-7         2-Chlorophenol         0.431         U         0.023         0.431           91-57-8         2-Chlorophenol         0.431         U         0.023         0.431           91-57-8         2-Chlorophenol         0.431         U         0.023         0.068           88-74-4         2-Nitrophenol	CONCENTRATIO	ON UNITS: mg/kg	•		Analytical Bat	ch: 448983	
95-95-4 2,4,5-Trichlorophenol 0.431 U 0.051 0.431 88-06-2 2,4,6-Trichlorophenol 0.431 U 0.068 0.431 120-83-2 2,4-Dichlorophenol 0.431 U 0.069 0.431 120-83-2 2,4-Dichlorophenol 0.431 U 0.069 0.431 120-83-2 2,4-Dimitrophenol 0.431 U 0.055 0.431 151-28-5 2,4-Dimitrophenol 2.16 U 0.231 2.16 121-14-2 2,4-Dinitrophenol 0.431 U 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025	CAS NO.	COMPOUND	-		<del></del>		
95-95-4 2,4,5-Trichlorophenol 0.431 U 0.051 0.431 88-06-2 2,4,6-Trichlorophenol 0.431 U 0.068 0.431 120-83-2 2,4-Dichlorophenol 0.431 U 0.069 0.431 120-83-2 2,4-Dichlorophenol 0.431 U 0.069 0.431 120-83-2 2,4-Dimitrophenol 0.431 U 0.055 0.431 151-28-5 2,4-Dimitrophenol 2.16 U 0.231 2.16 121-14-2 2,4-Dinitrophenol 0.431 U 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.061 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.431 0.0025 0.086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0086 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025	122-66-7	1,2 Diphenylhydrazine	0.431	U	0.00981	0.431	
88-06-2       2,4,6-Trichlorophenol       0.431       U       0.068       0.431         120-83-2       2,4-Dichlorophenol       0.431       U       0.069       0.431         105-67-9       2,4-Dimethylphenol       0.431       U       0.055       0.431         51-28-5       2,4-Dinitrophenol       2.16       U       0.231       2.16         121-14-2       2,4-Dinitrotoluene       0.431       U       0.061       0.431         606-20-2       2,6-Dinitrotoluene       0.431       U       0.025       0.431         91-58-7       2-Chlorophenol       0.431       U       0.023       0.431         91-58-7       2-Chlorophenol       0.431       U       0.033       0.431         91-58-7       2-Chlorophenol       0.431       U       0.033       0.431         91-58-7       2-Chlorophenol       0.431       U       0.033       0.431         91-58-7       2-Chlorophenol       0.431       U       0.023       0.086         88-74-8       2-Methylnaphthalene       0.086       U       0.023       0.086         88-75-5       2-Nitropniline       0.431       U       0.024       0.16         99-09-2	95-95-4			U			
120-83-2			0.431	U l			
105-67-9         2,4-Dimethylphenol         0.431         U         0.055         0.431           51-28-5         2,4-Dinitrophenol         2.16         U         0.231         2.16           121-14-2         2,4-Dinitrotoluene         0.431         U         0.061         0.431           606-20-2         2,6-Dinitrotoluene         0.431         U         0.025         0.431           91-58-7         2-Chloronaphthalene         0.431         U         0.023         0.431           91-57-8         2-Chlorophenol         0.431         U         0.033         0.431           91-57-6         2-Methylnaphthalene         0.086         U         0.023         0.086           88-74-4         2-Nitroaniline         2.16         U         0.048         2.16           88-75-5         2-Nitrophenol         0.431         U         0.020         0.431           91-94-1         3,3'-Dichlorobenzidine         0.862         U         0.026         0.862           99-09-2         3-Nitroaniline         2.16         U         0.053         2.16           101-55-3         4-Bromophenyl-phenylether         0.431         U         0.034         0.431           106-47-8							
51-28-5         2,4-Dinitrophenol         2.16         U         0.231         2.16           121-14-2         2,4-Dinitrotoluene         0.431         U         0.061         0.431           606-20-2         2,6-Dinitrotoluene         0.431         U         0.025         0.431           91-58-7         2-Chlorophenol         0.431         U         0.023         0.431           95-57-8         2-Chlorophenol         0.431         U         0.033         0.431           91-57-6         2-Methylnaphthalene         0.086         U         0.023         0.086           88-74-4         2-Nitrophenol         0.141         U         0.048         2.16           88-75-5         2-Nitrophenol         0.431         U         0.020         0.431           91-94-1         3,3-Dichlorobenzidine         0.862         U         0.026         0.862           99-09-2         3-Nitroaniline         2.16         U         0.053         2.16           534-52-1         2-Methyl-4,6-dinitrophenol         2.16         U         0.042         2.16           101-55-3         4-Bromophenyl-phenylether         0.431         U         0.038         0.431           59-50-7	<u> </u>						
121-14-2	<u> </u>			-			
606-20-2         2,6-Dinitrotoluene         0.431         U         0.025         0.431           91-58-7         2-Chloronaphthalene         0.431         U         0.023         0.431           95-57-8         2-Chlorophenol         0.431         U         0.033         0.431           91-57-6         2-Methylnaphthalene         0.086         U         0.023         0.086           88-74-4         2-Nitroaniline         2.16         U         0.048         2.16           88-75-5         2-Nitrophenol         0.431         U         0.020         0.431           91-94-1         3,3'-Dichlorobenzidine         0.862         U         0.276         0.862           99-09-2         3-Nitroaniline         2.16         U         0.053         2.16           534-52-1         2-Methyl-4,6-dinitrophenol         2.16         U         0.042         2.16           101-55-3         4-Bromophenyl-phenylether         0.431         U         0.038         0.431           59-50-7         4-Chloro-3-methylphenol         0.431         U         0.034         0.431           106-47-8         4-Chlorophenyl-phenylether         0.431         U         0.043         0.431							
91-58-7 2-Chloronaphthalene 0.431 U 0.023 0.431 95-57-8 2-Chlorophenol 0.431 U 0.033 0.431 91-57-6 2-Methylnaphthalene 0.086 U 0.023 0.086 88-74-4 2-Nitroaniline 2.16 U 0.048 2.16 88-75-5 2-Nitrophenol 0.431 U 0.020 0.431 91-94-1 3,3'-Dichlorobenzidine 0.862 U 0.276 0.862 99-09-2 3-Nitroaniline 2.16 U 0.053 2.16 534-52-1 2-Methyl-4,6-dinitrophenol 2.16 U 0.042 2.16 101-55-3 4-Bromophenyl-phenylether 0.431 U 0.038 0.431 59-50-7 4-Chloro-3-methylphenol 0.431 U 0.034 0.431 106-47-8 4-Chloroaniline 0.431 U 0.043 0.431 100-01-6 4-Nitroaniline 0.431 U 0.048 0.431 100-02-7 4-Nitrophenol 2.16 U 0.080 2.16 100-02-7 4-Nitrophenol 2.16 U 0.080 2.16 100-02-7 4-Nitrophenol 2.16 U 0.086 208-96-8 Acenaphthene 0.086 U 0.024 0.086 208-96-8 Acenaphthylene 0.0431 U 0.027 0.431 62-53-3 Aniline 0.431 U 0.023 0.431 120-12-7 Anthracene 0.053 J 0.015 0.086 1912-24-9 Atrazine (Aatrex) 0.862 U 0.064 0.862							
95-57-8       2-Chlorophenol       0.431       U       0.033       0.431         91-57-6       2-Methylnaphthalene       0.086       U       0.023       0.086         88-74-4       2-Nitroaniline       2.16       U       0.048       2.16         88-75-5       2-Nitrophenol       0.431       U       0.020       0.431         91-94-1       3,3'-Dichlorobenzidine       0.862       U       0.276       0.862         99-09-2       3-Nitroaniline       2.16       U       0.053       2.16         534-52-1       2-Methyl-4,6-dinitrophenol       2.16       U       0.042       2.16         101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chloroaniline       0.431       U       0.034       0.431         100-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-02-7       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitroaniline       0.004       U       0.024       0.086		<u> </u>					
91-57-6         2-Methylnaphthalene         0.086         U         0.023         0.086           88-74-4         2-Nitrophenol         0.431         U         0.048         2.16           88-75-5         2-Nitrophenol         0.431         U         0.020         0.431           91-94-1         3,3'-Dichlorobenzidine         0.862         U         0.276         0.862           99-09-2         3-Nitroaniline         2.16         U         0.053         2.16           534-52-1         2-Methyl-4,6-dinitrophenol         2.16         U         0.042         2.16           101-55-3         4-Bromophenyl-phenylether         0.431         U         0.038         0.431           59-50-7         4-Chloro-3-methylphenol         0.431         U         0.034         0.431           106-47-8         4-Chloroaniline         0.431         U         0.034         0.431           7005-72-3         4-Chlorophenyl-phenylether         0.431         U         0.048         0.431           100-01-6         4-Nitroaniline         2.16         U         0.080         2.16           100-02-7         4-Nitrophenol         2.16         U         0.080         2.16           83	·		<u> </u>				
88-74-4       2-Nitroaniline       2.16       U       0.048       2.16         88-75-5       2-Nitrophenol       0.431       U       0.020       0.431         91-94-1       3,3'-Dichlorobenzidine       0.862       U       0.276       0.862         99-09-2       3-Nitroaniline       2.16       U       0.053       2.16         534-52-1       2-Methyl-4,6-dinitrophenol       2.16       U       0.042       2.16         101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chlorophenyl-phenylether       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitrophenol       2.16       U       0.080       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431	<u> </u>						
88-75-5       2-Nitrophenol       0.431       U       0.020       0.431         91-94-1       3,3'-Dichlorobenzidine       0.862       U       0.276       0.862         99-09-2       3-Nitroaniline       2.16       U       0.053       2.16         534-52-1       2-Methyl-4,6-dinitrophenol       2.16       U       0.042       2.16         101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chlorophenyl-phenylether       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-02-7       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.149       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431							
91-94-1       3,3'-Dichlorobenzidine       0.862       U       0.276       0.862         99-09-2       3-Nitroaniline       2.16       U       0.053       2.16         534-52-1       2-Methyl-4,6-dinitrophenol       2.16       U       0.042       2.16         101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chloroaniline       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.080       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.053       J       0.015       0.086 <t< td=""><td><del></del></td><td></td><td>i</td><td></td><td></td><td></td></t<>	<del></del>		i				
99-09-2       3-Nitroaniline       2.16       U       0.053       2.16         534-52-1       2-Methyl-4,6-dinitrophenol       2.16       U       0.042       2.16         101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chlorophenyl-phenylether       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.149       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086 <t< td=""><td></td><td>\$</td><td></td><td></td><td></td><td></td></t<>		\$					
534-52-1       2-Methyl-4,6-dinitrophenol       2.16       U       0.042       2.16         101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chlorophenyl-phenylether       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.049       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862							
101-55-3       4-Bromophenyl-phenylether       0.431       U       0.038       0.431         59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chloroaniline       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.049       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862		<del></del>	2.16	U			
59-50-7       4-Chloro-3-methylphenol       0.431       U       0.034       0.431         106-47-8       4-Chloroaniline       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.149       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862				U	0.038		
106-47-8       4-Chloroaniline       0.431       U       0.043       0.431         7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.149       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	59-50-7		0.431	U	0.034		
7005-72-3       4-Chlorophenyl-phenylether       0.431       U       0.048       0.431         100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.149       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	106-47-8		0.431	U	0.043	0.431	
100-01-6       4-Nitroaniline       2.16       U       0.080       2.16         100-02-7       4-Nitrophenol       2.16       U       0.149       2.16         83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	7005-72-3	<del></del>	0.431	U	0.048	0.431	
83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	100-01-6			U		2.16	
83-32-9       Acenaphthene       0.086       U       0.024       0.086         208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	100-02-7	4-Nitrophenol	2.16	υ.	0:149	2.16	
208-96-8       Acenaphthylene       0.045       J       0.015       0.086         98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	83-32-9		0.086	υl	0.024	0.086	
98-86-2       Acetophenone       0.431       U       0.027       0.431         62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	208-96-8	Acenaphthylene	0.045	J	0.015	0.086	
62-53-3       Aniline       0.431       U       0.023       0.431         120-12-7       Anthracene       0.053       J       0.015       0.086         1912-24-9       Atrazine (Aatrex)       0.862       U       0.064       0.862	98-86-2	-	0.431	υ			
120-12-7     Anthracene     0.053     J     0.015     0.086       1912-24-9     Atrazine (Aatrex)     0.862     U     0.064     0.862	62-53-3	Aniline	0.431	U		0.431	
1912-24-9 Atrazine (Aatrex) 0.862 U 0.064 0.862	120-12-7			J			
				U			
	100-52-7	Benzaldehyde .	0.862	U	0.039	0.862	

FORM I SV-1

Lab Name:	GCAL	Sample ID: S	C-W		
Lab Code:	LA024 Case No.:	Contract:		·	
SAS No.:	SDG No.: 211011405	Lab File ID: 2			
Matrix: So	<u> </u>	Lab Sample ID	: 2110114	0512	
Sample wt/v	ol: 30 Units: g	Date Collected	: 01/13/11	Time:	1645
	ned) LOW	Date Received		······	
·	23.5 decanted: (Y/N)	Date Extracted			. ,
	RTX-5MS-30 ID: .25 (mm)	* .		. Time:	2000
				Analy	
	d Extract Volume: 1000 (μL)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3t. <u>1105</u>
Injection Vol	ume: 1.0 (μL)	Prep Method:			
GPC Cleanu	p: (Y/N) N pH:	Analytical Meth	od: SW-8	46 8270	
		Instrument ID:	MSSV4		
CONCENTE	RATION UNITS: mg/kg	Prep Batch:	148916	Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.16	U	2.16	2.16
56-55-3	Benzo(a)anthracene	0.094		0.018	0.086
50-32-8	Benzo(a)pyrene	0.103		0.025	0.086
205-99-2	Benzo(b)fluoranthene	0.293	J	0.013	0.431
191-24-2	Benzo(g,h,i)perylene	0.328	J	0.012	0.431
207-08-9	Benzo(k)fluoranthene	0.065	J	0.020	0.431
65-85-0	Benzoic acid	2.16	U	0.149	2.16
100-51-6	Benzyl alcohol	0.431	U	0.050	0.431
92-52-4	Biphenyl	0.431	Ú	0.014	0.431
111-91-1	Bis(2-Chloroethoxy)methane	0.431	U	0.024	0.431
111-44-4	Bis(2-Chloroethyl)ether	0.431	U	0.033	0.431
108-60-1	bis(2-Chloroisopropyl)ether	0.431	U	0.022	0.431
117-81-7	bis(2-ethylhexyl)phthalate	0.154		0.017	0.086
85-68-7	Butylbenzylphthalate	0.431	U	0.00909	0.431
105-60-2	Caprolactam	0.431	U	0.046	0.431
86-74-8	Carbazole	0.431	U	0.031	0.431
218-01-9	Chrysene	0.133	J	0.015	0.431
84-74-2	Di-n-butylphthalate	0.431	Ü	0.010	0.431
117-84-0	Di-n-octylphthalate	0.431	U	0.014	0.431
53-70-3	Dibenz(a,h)anthracene	0.086	U	0.012	0.086
132-64-9	Dibenzofuran	0.431	U	0.015	0.431
84-66-2	Diethylphthalate	0.045	J	0.040	0.431
131-11-3	Dimethyl-phthalate	0.431	U	0.00955	0.431
206-44-0	Fluoranthene	0.178	J.	0.00954	0.431
86-73-7	Fluorene	0.086	U	0.013	0.086
118-74-1	Hexachlorobenzene	0.431	U	0.052	0.431
77-47-4	Hexachlorocyclopentadiene	0.431	Ü	0.064	0.431
67-72-1	Hexachloroethane	0.431	U	0.064	0.431
193-39-5	Indeno(1,2,3-cd)pyrene	0.333	J	0.017	0.431

FORM | SV-1

Lab Name: GCAL	GCAL Sample ID: SC-W				
Lab Code: LA024 Case No	•	Contract:	1		
SAS No.: SDG N	o.: 211011405	Lab File ID: 2	2110114/e79	91	
Matrix: Solid		Lab Sample ID	: 2110114	0512	•
Sample wt/vol: 30 Units: g		Date Collected	: 01/13/11	Time:	1645
Level: (low/med) LOW		Date Received	: 01/14/11		
% Moisture: 23.5 decanted: (Y	//N)	Date Extracted	: <u>01/14/11</u>		,
GC Column: RTX-5MS-30 ID:	.25 (mm)	Date Analyzed	: <u>01/14/11</u>	Time:	2000
Concentrated Extract Volume: 1000	(μL)	Dilution Factor	: 1	Analy	st: KCB
Injection Volume: 1.0	(µL)	Prep Method:	3550B		
GPC Cleanup: (Y/N) N pH		Analytical Meth	nod: SW-8	346 8270	
		instrument ID:	MSSV4		
CONCENTRATION UNITS: mg/kg		Prep Batch:	448916	Analytical Ba	tch: 448983
CAS NO. COMPOUND		RESULT	•	MDL	RL
78-59-1 Isophorone		0.431	U	0.014	0.431
98-95-3 Nitrobenzene	• .	0.431	U	0.020	0.431
87-86-5 Pentachlorophenol	· ·	2.16	U	0.035	2.16
85-01-8 Phenanthrene		0.105		0.018	0.086
108-95-2 Phenol	·	0.431	U	0.021	0.431
129-00-0 Pyrene		0.220	J	0.060	0.431
110-86-1 Pyridine		0.431	U	0.024	0.431
1319-77-3M m,p-Cresol		0.431	υ	0.076	0.431
621-64-7 N-Nitroso-di-n-propylan	nine	0.086	U	0.022	0.086
62-75-9 N-Nitrosodimethylamine	9	0.431	U	0.022	0.431
86-30-6 N-Nitrosodiphenylamine	9.	0.431	υ	0.014	0.431
95-48-7 o-Cresol		0.431	υ	0.013	0.431

Lab Name: GC	AL .	Sample ID: SC-E			
Lab Code: LA0	24 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405				
Matrix: Solid		Lab Sample ID: 2	1101140513	3	
Sample wt/vol:	30.2 Units: g	Date Collected: 0	01/13/11	Time:	1655
Level: (low/med)		Date Received: 0	1/14/11		
% Moisture: 26	decanted: (Y/N)	Date Extracted: 0	01/14/11		,
GC Column: R1	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 0	1/14/11	Time:	2016
Concentrated Ext	tract Volume: 1000 ( µL )	Dilution Factor: 1		Analys	st: KCB
	: 1.0 (µL)	Prep Method: 35	50B		
	//N) N pH:	Analytical Method:	SW-846 8	270	
		Instrument ID: MS	SSVA		٠
CONCENTRATIO	ON UNITs: mg/kg	Prep Batch: 4489		Analytical Rat	ch: 448983
CAS NO.	COMPOUND	RESULT	· · · · · · · · · · · · · · · · · · ·	MDL.	RL
122-66-7	1,2 Diphenylhydrazine	0.445	U	0.010	0.445
95-95-4	2,4,5-Trichlorophenol	0.445	<del>u</del>	0.053	0.445
88-06-2	2,4,6-Trichlorophenol	0.445	<del>u</del>	0.070	0.445
120-83-2	2,4-Dichlorophenol	0.445	<del>Ŭ</del>	0.072	0.445
105-67-9	2,4-Dimethylphenol	0.445	<del>u</del>	0.057	0.445
51-28-5	2,4-Dinitrophenol	2.22	Ū	0.238	2.22
121-14-2	2,4-Dinitrotoluene	0.445	U	0.063	0.445
606-20-2	2,6-Dinitrotoluene	0.445	U	0.026	0.445
91-58-7	2-Chloronaphthalene	0.445	U	0.024	0.445
95-57-8	2-Chlorophenol	0.445	U	0.034	0.445
91-57-6	2-Methylnaphthalene	0.073	J	0.024	0.089
88-74-4	2-Nitroaniline	2.22	U	0.050	2.22
88-75-5	2-Nitrophenol	0.445	U	0.020	0.445
91-94-1	3,3'-Dichlorobenzidine	0.889	Ü	0.284	0.889
99-09-2	3-Nitroaniline	2.22	U	0.054	2.22
534-52-1	2-Methyl-4,6-dinitrophenol	2.22	U	0.044	2.22
101-55-3	4-Bromophenyl-phenylether	0.445	U	0.039	0.445
59-50-7	4-Chloro-3-methylphenol	0.445	U	0.035	0.445
106-47-8	4-Chloroaniline	0.445	U	0.044	0.445
7005-72-3	4-Chlorophenyl-phenylether	0.445	U	0.049	0.445
100-01-6	4-Nitroaniline	2.22	U	0.083	2.22
100-02-7	4-Nitrophenol	2.22	U	0.154	2.22
83-32-9	Acenaphthene	0.089	U	0.025	0.089
208-96-8	Acenaphthylene	0.089	U	0.015	0.089
98-86-2	Acetophenone	0.445	U	0.028	0.445
62-53-3	Aniline	0.445	U	0.024	0.445
120-12-7	Anthracene	0.025	J	0.016	0.089
1912-24-9	Atrazine (Aatrex)	0.889	U	0.066	0.889
100-52-7	Benzaldehyde	0.889	U	0.040	0.889

FORM I SV-

Lab Name: GC	AL	Sample ID: _S	C-E		
Lab Code: LA0	24 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405				
Matrix: Solid		Lab Sample ID	2110114	0513	
Sample wt/vol:	30.2 · Units: g	Date Collected	: 01/13/11	Time:	1655
·	LOW	Date Received	ě.		,
	.3 decanted: (Y/N)	Date Extracted	·	·	
****		Date Analyzed			2016
	TX-5MS-30 ID: .25 (mm)				
Concentrated Ext	ract Volume: 1000 ( µL )	Dilution Factor	!	Analy	st: KCB
Injection Volume:	1.0 (µL)	Prep Method:	3550B		
	/N) N pH:	Analytical Meth	nod: SW-8	46 8270	
	**************************************	Instrument ID:	MSSV4		
CONCENTRATIO	ON UNITS: mg/kg			Analytical Ba	tch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.22	ו יי	2,22	2.22
56-55-3	Benzo(a)anthracene	0.060	J	0.019	0.089
50-32-8	Benzo(a)pyrene	0.062	J	0.026	0.089
205-99-2	Benzo(b)fluoranthene	0.244	J	0.014	0.445
191-24-2	Benzo(g,h,i)perylene	0.228	J	0.012	0.445
207-08-9		0.038	J	0.012	0.445
65-85-0	Benzo(k)fluoranthene Benzoic acid	2.22	U	0.020	2.22
100-51-6		0.445	U	0.052	
92-52-4	Benzyl alcohol	0.445	U	0.032	0.445
	Biphenyl		U		0.445
111-91-1	Bis(2-Chloroethoxy)methane	0.445		0.025	0.445
111-44-4	Bis(2-Chloroethyl)ether	0.445	U	0.034	0.445
108-60-1	bis(2-Chloroisopropyl)ether	0.445	U	0.023	0.445
117-81-7	bis(2-ethylhexyl)phthalate	0.123		0.017	0.089
85-68-7	Butylbenzylphthalate	0.445	U	0.00938	0.445
105-60-2	Caprolactam	0.445	U	0.047	0.445
86-74-8 218-01-9	Carbazole	0.445 0.081	U l	0.032 0.015	0.445
	Chrysene		U	0.013	0.445
117.94.0	Di-n-butylphthalate Di-n-octylphthalate	0.445 0.445	U	0.011	0.445 0.445
117-84-0 53-70-3	Dibenz(a,h)anthracene	0.089	U;	0.012	0.089
132-64-9	Dibenzofuran	0.445	U	0.012	0.445
84-66-2	Diethylphthalate	0.445		0.041	0.445
131-11-3	Dimethyl-phthalate	0.445	· U ¦.	0.00985	0.445
	Fluoranthene	0.445		0.00984	0.445
206-44-0 86-73-7		0.111	J ]	0.00984	0.445
	Fluorene	0.445			
118-74-1 77-47-4	Hexachlorobenzene	0.445	ָ כ	0.053 0.066	0.445 0.445
67-72-1	Hexachlorocyclopentadiene	0.445	Ü		0.445
	Hexachloroethane	0.259		0.066 0.018	0.445
193-39-5	Indeno(1,2,3-cd)pyrene	U.Z35	J	0.010	0.443

FORM I SV-1

Lab Name: GC	CAL	Sample ID: SC-E		
Lab Code: LAC	024 Case No.:	Contract:		
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e799	2	
Matrix: Solid	i	Lab Sample ID: 21101140	513	•
Sample wt/vol:	30.2 Units: g	Date Collected: 01/13/11	Time:	1655
Level: (low/med)	LOW	Date Received: 01/14/11		
% Moisture: 26	decanted: (Y/N)	Date Extracted: 01/14/11		
GC Column: R	TX-5MS-30 ID: _25 (mm)	Date Analyzed: 01/14/11	Time:	2016
Concentrated Ex	tract Volume: 1000 (µL)	Dilution Factor: 1	Analy	st: KCB
Injection Volume	: 1.0 (µL)	Prep Method: 3550B	····	
	//N) N pH:	Analytical Method: SW-84	6 8270	
	1	Instrument ID: MSSV4		
CONCENTRATIO	ON UNITS: mg/kg	Prep Batch: 448916 .	_ Analytical Bat	ch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
78-59-1	Isophorone	0.445 U	0.015	0.445
98-95-3	Nitrobenzene	0.445 U	0.021	0.445
87-86-5	Pentachlorophenol	2.22 U	0.036	2.22
85-01-8	Phenanthrene	0.077 J	0.018	0.089
108-95-2	Phenol	0.445 U	0.022	0.445
129-00-0	Pyrene	0.122 J	0.062	0.445
110-86-1	Pyridine Pyridine Pyridine	0.445 U	0.025	0.445
1319-77-3M	m,p-Cresol	0.445 U	0.078	0.445
621-64-7	N-Nitroso-di-n-propylamine	0.089 U	0.022	0.089
62-75-9	N-Nitrosodimethylamine	0.445 U	0.023	0.445
86-30-6	N-Nitrosodiphenylamine	0.445 U	0.014	0.445
95-48-7	o-Cresol	0.445 U	0.014	0.445

Lab Name: G	CAL	Sample ID: EQUIPMEN	T BLANK
Lab Code: LA	024 Case No.:	Contract:	
SAS No.:	SDG No.: 211011405		
Matrix: Water		Lab Sample ID: 2110114	10514
Sample wt/vol:	990 Units: mL	Date Collected: 01/13/1	Time: 1710
Level: (low/med	) LOW	Date Received: 01/14/1	
% Moisture:	decanted: (Y/N)	Date Extracted: 01/14/1	
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/1	Time: 1549
Concentrated E	xtract Volume: 1000 (µL)	Dilution Factor: 1	Analyst: KCB
	e: 1.0 (µL)	Prep Method: 3510C	
	Y/N) N pH:	Analytical Method: SW-	
· · · · · · · · ·		Instrument ID: MSSV4	
CONCENTRAT	ION UNITS: mg/L	Prep Batch: 448924	Analytical Batch: 448983
CAS NO.	COMPOUND	RESULT	MDL RL
122-66-7	1,2 Diphenylhydrazine	0.010 U	0.000192 0.010
95-95-4	2,4,5-Trichlorophenol	0.010 U	0.000126 0.010
88-06-2	2,4,6-Trichlorophenol	0.010 U	0.000120 0.010
120-83-2	2,4-Dichlorophenol	0.010 U	0.000210 0.010
105-67-9	2,4-Dimethylphenol	0.010 U	0.000210 0.010
51-28-5	2,4-Dinitrophenol	0.010 U	0.00305 0.010
121-14-2	2,4-Dinitrotoluene	0.010 U	0.000251 0.010
606-20-2	2,6-Dinitrotoluene	0.010 U	0.000291 0.010
91-58-7	2-Chloronaphthalene	0.010 U	0.000292 0.010
95-57-8	2-Chlorophenol	0.010 U	0.000270 0.010
91-57-6	2-Methylnaphthalene	0.010 U	0.000134 0.010
88-74-4	2-Nitroaniline	0.010 U	0.000213 0.010
88-75-5	2-Nitrophenol	0.010 U	0.000153 0.010
91-94-1	3,3'-Dichlorobenzidine	0.010 U	0.000168 0.010
99-09-2	3-Nitroaniline	0.010 U	0.00129 0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.010 U	0.00244 0.010
101-55-3	4-Bromophenyl-phenylether	0.010 U	0.000282 0.010
59-50-7	4-Chloro-3-methylphenol	0.010 U	0.000273 0.010
106-47-8	4-Chloroaniline	0.010 U	0.000139 0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010 U	0.000261 0.010
100-01-6	4-Nitroaniline	0.010 U	0.000231 0.010
100-02-7	4-Nitrophenol	0.010 U	0.000705 0.010
83-32-9	Acenaphthene	0.010 U	0.000204 0.010
208-96-8	Acenaphthylene	0.010 U	0.000119 0.010
98-86-2	Acetophenone	0.010 U	0.000245 0.010
62-53-3	Aniline	0.010 U	0.000212 0.010
120-12-7	Anthracene	0.010 U	0.000159 0.010
1912-24-9	Atrazine (Aatrex)	0.051 U	0.000321 0.051
100-52-7	Benzaldehyde	0.051 U	0.00335 0.051

FORM I SV-1

Lab Name: GC	AL	Sample ID: _E	QUIPMEN	T BLANK			
Lab Code: LA0	24 Case No.:	Contract:					
SAS No.:	SDG No.: 211011405						
Matrix: Water		Lab Sample ID	: 2110114	10514			
Sample wt/vol:	990 Units: mL	Date Collected	: 01/13/11	Time:	1710		
Level: (low/med)	LOW	Date Received	: 01/14/11	,			
% Moisture:	decanted: (Y/N)	Date Extracted	: 01/14/11				
GC Column: R1	FX-5MS-30 ID: .25 (mm)	Date Analyzed	: 01/14/11	Time	1549		
Concentrated Ex	tract Volume: 1000 ( µL )	Dilution Factor	: <u>1</u>	Analy	st: KCB		
	: (µL)	Prep Method:	3510C				
	//N) N pH:	Analytical Meth	nod: SW-8	346 8270			
		Instrument ID:	MSSV4				
CONCENTRATIO	ON UNITS: mg/L	Prep Batch:	448924	Analytical Ba	tch: 448983		
CAS NO.	COMPOUND	RESULT		MDL	RL		
92-87-5	Benzidine	0.051	υ	0.00310	0.051		
56-55-3	Benzo(a)anthracene	0.010	U	0.000159	0.010		
50-32-8	Benzo(a)pyrene	0.010	U	0.000123	0.010		
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000242	0.010		
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000162	0.01,0		
207-08-9	Benzo(k)fluoranthene	0.010	U.	0.000239	0.010		
65-85-0	Benzoic acid	0.010	U	0.00343	0.010		
100-51-6	Benzyl alcohol	0.010	U	0.000320	0.010		
92-52-4	Biphenyl	0.010	U	0.000140	0.010		
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U U	0.000305	0.010		
111-44-4	Bis(2-Chloroethyl)ether	0.010	U ·	0.000139	0.010		
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000139	0.010		
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U .	0.000242	0.010		
85-68-7	Butylbenzylphthalate	0.010	U	0.000346	0.010		
105-60-2	Caprolactam	0.010	υ	0.00118	0.010		
86-74-8	Carbazole	0.010	U	0.000211	0.010		
218-01-9	Chrysene	0.010	· U	0.000267	0.010		
84-74-2	Di-n-butylphthalate	0.010	U.	0.000145	0.010		
117-84-0	Di-n-octylphthalate	0.010 .	U	0.000263	0.010		
53-70-3	Dibenz(å,h)anthracene	0.010	U	0.000263	0.010		
132-64-9	Dibenzofuran	0.010	U	0.000126	0.010		
84-66-2	Diethylphthalate	0.010	υ	0.000099	0.010		
131-11-3	Dimethyl-phthalate	0.010	U	0.000151	0.010		
206-44-0	Fluoranthene	0.010	U	0.000175	0.010		
86-73-7	Fluorene	0.010	Ü.	0.000135	0.010		
118-74-1	Hexachlorobenzene	0.010	U	0.000260	0.010		
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000132	0.010		
67-72-1	Hexachloroethane	0.010	. U	0.00111	0.010		
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000270	0.010		

FORM I SV-1

Lab Name: GC	AL	Sample ID: EQUIPMENT BLANK				
Lab Code: LA0	24 Case No.:	Contract:				
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7976				
Matrix: Water	all Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manua	Lab Sample ID: 21101140514				
Sample wt/vol:	990 Units: mL	Date Collected: 01/13/11 Time: 1710				
Level: (low/med)	LOW	Date Received: 01/14/11				
% Moisture:	decanted: (Y/N)	Date Extracted: 01/14/11				
GC Column: RT	X-5MS-30 ID: .25 (mm)	Date Analyzed: 01/14/11 Time: 1549	<u></u>			
Concentrated Ext	ract Volume: 1000 (μL)	Dilution Factor: 1 Analyst: KCB				
Injection Volume:	1.0 ( µL )	Prep Method: 3510C				
GPC Cleanup: (Y	/N) N pH:	Analytical Method: SW-846 8270				
		Instrument ID: MSSV4				
CONCENTRATIO	ON UNITS: mg/L	Prep Batch: 448924 Analytical Batch: 448983				
CAS NO.	COMPOUND	RESULT MDL RL				
78-59-1	Isophorone	0.010 U 0.000119 0.010				
98-95-3	Nitrobenzene	0.010 U 0.000222 0.010				
87-86-5	Pentachlorophenol	0.010 U 0.00154 0.010				
85-01-8	Phenanthrene	0.010 U 0.000152 0.010	:			
108-95-2	Phenol	0.010 U 0.000244 0.010	•			
129-00-0	Pyrene	0.010 U 0.000203 0.010				
110-86-1	Pyridine	0.010 U 0.00156 0.010				
1319-77-3M	m,p-Cresol	0.010 U 0.000335 0.010				
621-64-7	N-Nitroso-di-n-propylamine	0.010 U 0.000376 0.010				
62-75-9	N-Nitrosodimethylamine	0.010 U 0.000520 0.010				
86-30-6	N-Nitrosodiphenylamine	0.010 U 0.000172 0.010				
95-48-7	o-Cresol	0.010 U 0.000184 0.010				

	<b>\</b>				
Lab Name: GC	CAL	Sample ID: M	B912490		-
Lab Code: LAC	024 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 21	110114/e79	77	
Matrix: Solid		Lab Sample ID:	912490	,	
Sample wt/vol:	30.1 Units: g	Date Collected:		Time:	
		Date Received:			_
Level: (low/med)	4				
% Moisture:	decanted: (Y/N)	Date Extracted:	***************************************		
GC Column: R	TX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1606
Concentrated Ex	tract Volume: 1000 (μL)	Dilution Factor:	1	Analy	st: KCB
Injection Volume	: 1.0 (µL)	Prep Method:	3550B		,
	Y/N) N , pH:	Analytical Metho	od: <u>SW-8</u>	46 8270	
		Instrument ID:	MSSV4		
CONCENTRATI	ON UNITS: mg/kg	Prep Batch: 4	48916	Analytical Bat	ch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
		ALSOL1			//L
208-96-8	Acenaphthylene	0.066	U	0.011	0.066
120-12-7	Anthracene	0.066	U	0.012	0.066
56-55-3	Benzo(a)anthracene	0.066	U	0.014	0.066
92-87-5	Benzidine	1.64	U	1.64	1.64
205-99-2	Benzo(b)fluoranthene	0.329	U	0.010	0.329
207-08-9	Benzo(k)fluoranthene	0.329	U	0.015	0.329
191-24-2	Benzo(g,h,i)perylene	0.329	U	0.00909	0.329
50-32-8	Benzo(a)pyrene	0.066	Ü	0.019	0.066
65-85-0	Benzoic acid	1.64	U	0.114	1.64
85-68-7	Butylbenzylphthalate	0.329	U	0.00694	0.329
111-91-1	Bis(2-Chloroethoxy)methane	0.329	U.	0.018	0.329
111-44-4	Bis(2-Chloroethyl)ether	0.329	U	0.025	0.329
108-60-1	bis(2-Chloroisopropyl)ether	0.329	U	0.017	0.329
117-81-7	bis(2-ethylhexyl)phthalate	0.066	U	0.013	0.066
101-55-3	4-Bromophenyl-phenylether	0.329	U	0.029	0.329
86-74-8	Carbazole	0.329	U	0.024	0.329
7005-72-3	4-Chlorophenyl-phenylether	0.329	U	0.037	0.329
218-01-9	Chrysene	0.329	U	0.011	0.329
53-70-3	Dibenz(a,h)anthracene	0.066	U	0.00903	0.066
132-64-9	Dibenzofuran	0.329	U	0.011	0.329
91-94-1	3,3'-Dichlorobenzidine	0.658	U	0.210	0.658
120-83-2	2,4-Dichlorophenol	0.329	U	0.053	0.329
84-66-2	Diethylphthalate	0.329	U	0.030	0.329
105-67-9	2,4-Dimethylphenol	0.329	U	0.042	0.329
131-11-3	Dimethyl-phthalate	0.329	Ū	0.00729	0.329
117-84-0	Di-n-octylphthalate	0.329	υ	0.011	0.329
51-28-5	2,4-Dinitrophenol	1.64	U	0.176	1.64
606-20-2	2,6-Dinitrotoluene	0.329	U	0.019	0.329
206-44-0	Fluoranthene	0.329	U	0.00728	0.329

FORM I SV-1

Lab Name: GC	AL	Sample ID: MI	3912490					
Lab Code: LA0	24 Case No.:	Contract:			•			
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7977						
Matrix: Solid		Lab Sample ID:	912490					
Sample wt/vol:	30.1 Units: g	Date Collected:		Time:				
-	LOW	Date Received:						
	decanted: (Y/N)	Date Extracted:	01/14/11					
	TX-5MS-30 ID: .25 (mm)		1	Time:	1606			
	tract Volume: 1000 (µL)	Dilution Factor:	1	Analys	st: KCB			
	: 1.0 (µL)	Prep Method:						
	//N) N pH:	Analytical Metho		,				
Or o oloulopi (	· · ·	Instrument ID:	MSSV4					
CONCENTRATIO	ON UNITS: mg/kg	•		Analytical Bat	ch: 448983			
CAS NO.	COMPOUND	RESULT	<del></del>	MDL	RL			
86-73-7	Fluorene	0.066	U I	0.010	0.066			
118-74-1	Hexachlorobenzene	0.329	U	0.039	0.329			
77-47-4	Hexachlorocyclopentadiene	0.329	U	0.049	0.329			
67-72-1	Hexachloroethane	0.329	U	0.049	0.329			
78-59-1	Isophorone	0.329	Ü	0.011	0.329			
193-39-5	Indeno(1,2,3-cd)pyrene	0.329	U	0.013	0.329			
91-57-6	2-Methylnaphthalene	0.066	<del>U</del>	0.018	0.066			
95-48-7	o-Cresol	0.329	U	0.010	0.329			
98-95-3	Nitrobenzene	0.329	Ü	0.015	0.329			
88-75-5	2-Nitrophenol	0.329	<del>U i l</del>	0.015	0.329			
62-75-9	N-Nitrosodimethylamine	0.329	Ü	0.017	0.329			
86-30-6	N-Nitrosodiphenylamine	0.329	U	0.010	0.329			
85-01-8	Phenanthrene	0.066	U	0.013	0.066			
95-95-4	2,4,5-Trichlorophenol	0.329	U	0.039	0.329			
88-06-2	2,4,6-Trichlorophenol	0.329	U	0.052	0.329			
100-51-6	Benzyl alcohol	0.329	U	0.038	0.329			
62-53-3	Aniline	0.329	Ü	0.018	0.329			
110-86-1	Pyridine	0.329	Ū,	0.019	0.329			
105-60-2	Caprolactam	0.329	Ū	0.035	0.329			
98-86-2	Acetophenone	0.329	U	0.020	0.329			
99-09-2	3-Nitroaniline	1.64	Ū	0.040	1.64			
100-01-6	4-Nitroaniline	1.64	Ū	0.061	1.64			
84-74-2	Di-n-butylphthalate	0.329	Ū	0.00794	0.329			
122-66-7	1,2 Diphenylhydrazine	0.329	Ü	0.00749	0.329			
88-74-4	2-Nitroaniline	1.64	Ü	0.037	1.64			
91-58-7	2-Chloronaphthalene	0.329	Ü	0.018	0.329			
106-47-8	4-Chloroaniline	0.329	U	0.033	0.329			
1912-24-9	Atrazine (Aatrex)	0.658	Ū	0.049	0.658			
100-52-7	Benzaldehyde	0.658	U	0.030	0.658			

FORM I SV-1

Lab Name: _G	CAL	Sample ID: MB9	12490		
Lab Code: LA	.024 Case No.:	Contract:			
SAS No.:	SDG No.: 211011405	Lab File ID: 2110	0114/e7977	7	<del>desta de la constanta</del>
Matrix: Solid		Lab Sample ID:	912490	_	
Sample wt/vol:	30.1 Units: g	Date Collected:		Time:	
Level: (low/med	I) LOW	Date Received:			
% Moisture:	decanted: (Y/N)	Date Extracted:	01/14/11.		
GC Column: F	RTX-5MS-30 ID: .25 (mm)	Date Analyzed:	01/14/11	Time:	1606
Concentrated E	extract Volume: 1000 (µL)	Dilution Factor:	1	Analy	st: KCB
	e: 1.0 (µL)	Prep Method: 35	550B		
GPC Cleanup:	, ,	Analytical Method	SW-846	8270	
	procedure processing the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Instrument ID: M	SSV4		
CONCENTRAT	TION UNITS: mg/kg	Prep Batch: 448	916	Analytical Bat	tch: 448983
CAS NO.	COMPOUND	RESULT		MDL	RL
92-52-4	Biphenyl	0.329	U	0.011	0.329
1319-77-3M	m,p-Cresol	0.329	U	0.058	0.329
534-52-1	2-Methyl-4,6-dinitrophenol	1.64	U	0.032	1.64
108-95-2	Phenol	0.329	U	0.016	0.329
95-57-8	2-Chlorophenol	0.329	U	0.025	0.329
621-64-7	N-Nitroso-di-n-propylamine	0.066	U	0.017	0.066
59-50-7	4-Chloro-3-methylphenol	0.329	U	0.026	0.329
83-32-9	Acenaphthene	0.066	U	0.019	0.066
100-02-7	4-Nitrophenol	1.64	U	0.114	1.64
121-14-2	2,4-Dinitrotoluene	0.329	U	0.046	0.329
87-86-5	Pentachlorophenol	1.64	U	0.027	1.64
129-00-0	Pyrene	0.329	U	0.046	0.329

Lab Name: GC	CAL	Sample ID: MB9125	29	
Lab Code: LAC	024 Case No.:	Contract:	:	
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114	/e7973	
Matrix: Water		Lab Sample ID: 9125	529	
Sample wt/vol:	1000 Units: mL	Date Collected:	Time:	•
Level: (low/med)		Date Received:	w.	<u>,</u>
	decanted: (Y/N)	Date Extracted: 01/1		
	TX-5MS-30 ID: .25 (mm)	Date Analyzed: 01/1	······································	1459
****		Dilution Factor: 1	1	et: KCB
Concentrated Ex	tract Volume: 1000 (µL)	•	4	
Injection Volume	: <u>1.0</u> (μL)	Prep Method: 35100	4	
GPC Cleanup: (\)	Y/N) N pH:	Analytical Method: S	W-846 8270	
	Print Theorem Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control	Instrument ID: MSSV	4	
CONCENTRATI	ON UNITS: mg/L	Prep Batch: 448924		ch: 448983
CAS NO.	COMPOUND	RESULT	MDL	RL
208-96-8	Acenaphthylene	0.010 U	0.000118	0.010
120-12-7	Anthracene	0.010 U		0.010
56-55-3	Benzo(a)anthracene	0.010 U	<del></del>	0.010
92-87-5	Benzidine	0.050 U	0.00307	0.050
205-99-2	Benzo(b)fluoranthene	0.010 U	0.000240	0.010
207-08-9	Benzo(k)fluoranthene	0.010 U	`	0.010
191-24-2	Benzo(g,h,i)perylene	0.010 U		0.010
50-32-8	Benzo(a)pyrene	0.010 U	0.000122	0.010
65-85-0	Benzoic acid	0.010 U	0.00340	0.010
85-68-7	Butylbenzylphthalate	0.010 U		0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010 U	0.000302	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010 U	0.000138	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010 U	0.000138	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010 U		0.010
101-55-3	4-Bromophenyl-phenylether	0.010 U		0.010
86-74-8	Carbazole	0.010 U	<u> </u>	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010 U		0.010
218-01-9	Chrysene	0.010 U	0.000264	0.010
53-70-3	Dibenz(a,h)anthracene	0.010 U	0.000260	0.010
132-64-9	Dibenzofuran	0.010 U	0.000125	0.010
91-94-1	3,3'-Dichlorobenzidine	0.010 U	0.000166	0.010
120-83-2	2,4-Dichlorophenol	0.010 U	0.000208	0.010
84-66-2	Diethylphthalate	0.010 U	0.000098	0.010
105-67-9	2,4-Dimethylphenol	0.010 U	0.000196	0.010
131-11-3	Dimethyl-phthalate	0.010 U	0.000149	0.010
117-84-0	Di-n-octylphthalate	0.010 U	0.000260	0.010
51-28-5	2,4-Dinitrophenol	0.010 U	0.00302	0.010
606-20-2	2,6-Dinitrotoluene	0.010 U	0.000289	0.010
206-44-0	Fluoranthene	0.010 U	0.000173	0.010

FORM I SV-1

Lab Name: GC	AL	Sample ID: MB912529	
Lab Code: LA0	24 Case No.:	Contract:	
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7	973
Matrix: Water		Lab Sample ID: 912529	
Sample wt/vol:	1000 Units: mL	Date Collected:	Time:
Level: (low/med)		·	
	,	Date Extracted: 01/14/1	
	decanted: (Y/N)	<del></del>	· · · · · · · · · · · · · · · · · · ·
GC Column: R1	TX-5MS-30 ID: <u>.25</u> (mm)		1 Time: 1459
Concentrated Ex	tract Volume: 1000 (μL)	Dilution Factor: 1	Analyst: KCB
Injection Volume	. <u>1.0</u> (µL)	Prep Method: 3510C	
GPC Cleanup: (Y	//N) N pH:	Analytical Method: SW-	846 8270
•. •		Instrument ID: MSSV4	
CONCENTRATIO	ON UNITS: mg/L	Prep Batch: 448924	Analytical Ratch: 448083
04040	0044004440		
	COMPOUND	RESULT	MDL RL
86-73-7	Fluorene	0.010 U	0.000134 0.010
118-74-1	Hexachlorobenzene	0.010 U	0.000257 0.010
77-47-4	Hexachlorocyclopentadiene	0.010 U	0.000131 0.010
67-72-1	Hexachloroethane	0.010 U	0.00110 0.010
78-59-1	Isophorone	0.010 U	0.000118 0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010 U	0.000267 0.010
91-57-6	2-Methylnaphthalene	0.010 U	0.000211 0.010
95-48-7	o-Cresol	0.010 U	0.000182 0.010
98-95-3	Nitrobenzene	0.010 U	0.000220 0.010
88-75-5	2-Nitrophenol	0.010 U	0.000151 0.010
62-75-9	N-Nitrosodimethylamine	0.010 U	0.000515 0.010
86-30-6	N-Nitrosodiphenylamine	0.010 U	0.000170 0.010
85-01-8	Phenanthrene	0.010 U	0.000150 0.010
95-95-4	2,4,5-Trichlorophenol	0.010 U	0.000125 0.010
88-06-2	2,4,6-Trichlorophenol	0.010 U	0.000165 0.010
100-51-6	Benzyl alcohol	0.010 U	0.000317 0.010
62-53-3	Aniline	0.010 U	0.000210 0.010
110-86-1	Pyridine	0.010 U	0.00154 0.010
105-60-2	Caprolactam	0.010 U	0.00117 0.010
98-86-2	Acetophenone	0.010 U	0.000243 0.010
99-09-2	3-Nitroaniline	0.010 U	0.00128 0.010
100-01-6	4-Nitroaniline	0.010 U	0.000229 0.010
84-74-2	Di-n-butylphthalate	0.010 U	0.000144 0.010
122-66-7	1,2 Diphenylhydrazine	0.010 U	0.000190 0.010
88-74-4	2-Nitroaniline	0.010 U	0.000150 0.010
91-58-7	2-Chloronaphthalene	0.010 U	0.000214 0.010
106-47-8	4-Chloroaniline	0.010 U	0.000138 0.010
1912-24-9	Atrazine (Aatrex)	0.050 U	0.000318 0.050
100-52-7	Benzaldehyde	0.050 U	0.00332 0.050

FORM I SV-1

Lab Name: _G0	CAL	Sample ID: MB912529				
Lab Code: LA	024 Case No.:	Contract:				
SAS No.:	SDG No.: 211011405	Lab File ID: 2110114/e7	7973	T		
Matrix: Water		Lab Sample ID: 912529	)			
Sample wt/vol:	1000 Units: mL	Date Collected:	Time:			
Level: (low/med)	LOW	Date Received:		•		
% Moisture:	decanted: (Y/N)	Date Extracted: 01/14/1				
GC Column: R	TX-5MS-30 ID: _25 (mm)	Date Analyzed: 01/14/1	1 Time	1459		
Concentrated Ex	ktract Volume: 1000 ( μL )	Dilution Factor: 1	Analy	st: KCB		
Injection Volume	e: 1.0 (µL)	Prep Method: 3510C	·			
	Y/N) N pH:	Analytical Method: SW	-846 8270			
		Instrument ID: MSSV4				
CONCENTRATI	ION UNITS: mg/L	Prep Batch: 448924	Analytical Ba	Analytical Batch: 448983		
CAS NO.	COMPOUND	RESULT	MDL	RL		
92-52-4	Biphenyl	0.010 U	0.000139	0.010		
1319-77-3M	m,p-Cresol	0.010 U	0.000332	0.010		
534-52-1	2-Methyl-4,6-dinitrophenol	0.010 U	0.00242	0.010		
108-95-2	Phenol	0.010 U	0.000242	0.010		
95-57-8	2-Chlorophenol	0.010 U	0.000182	0.010		
621-64-7	N-Nitroso-di-n-propylamine	0.010 U	0.000372	0.010		
59-50-7	4-Chloro-3-methylphenol	0.010 U !	0.000270	0.010		
83-32-9	Acenaphthene	- 0.010 U s	0.000202	0.010		
100-02-7	4-Nitrophenol	0.010 U	0.000698	0.010		
121-14-2	2,4-Dinitrotoluene	0.010 U I	0.000248	0.010		
87-86-5	Pentachlorophenol	0.010 U	0.00152	0.010		
129-00-0	Pyrene	0.010 U	0.000201	0.010		

### 2C WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL			·····		Contract:								
Lab Code: LA024	Case No.:			SAS No.:			8	SDG No.: 211011405					
Method: SW-846 8270				Level: ( low/med )		LOW							
EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
I . EQUIPMENT BLANK	91		91	T =	109	$\Box$	41	T	61	П	80		0
2 . MB912529	79		80	1 1	98		37	П	56		- 66		0
3 LCS912530	94		98	$\Box$	99		44	$\Box$	66		91		0
LCSD912531	87		89		97		42	П	63	$\Box$	83		0

-	•	CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	52	120
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	43	138
SMC 4	Phenol-d5	10	120
SMC 5	2-Fluorophenoi	10	120
SMC 6	2,4,6-Tribromophenol	52	121

[#] Column to be used to flag recovery limits

^{*} Value outside of contract required limits

D Surrogate diluted out

#### 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

	Lab Name	: GCAL 2					Contrac	ct: _	e .						
	Lab Code:	LA024	Case No.:				SAS N	0.:			SDG	No.:	2110114	105	·····
	Method:	SW-846 8270							med) LOV						
	EPA SAME	PLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	T-15-F		73	Ţ	. 74		88	T	73		72	П	69	7	0
2.	T-15-F MS		80	П	86		83		74		77 _		73		0
3.	T-15-F MSD		76	T	77		. 85		74		74		67		0
4.	T-21-F		82		85		88		70 -		-71	$\top$	62		0
5.	T-21-F		0	D	0	D	0	D	0	D	0	D	0	D	0
6.	NC-0-0.3		75		78		68	1	67		70		64		0
7.	T-2-WEST		77		77		79		75		75		65		0
8.	T-6-FLOOR		79		82	İ	84		75		77		65		0
9.	T-6-EAST		. 76		77		78		78		77 .		66		0
10.	T-6-SOUTH		84		82	1.	80		79		. 78	$\top$	71		0
11.	T-6-NORTH		81	$\Box$	80		79		78		76 ,	1	.64		0
12.	BLIND DUP		82		81		79	T .	79		78		68		0
13.	SC-W		83		80		71	T	73 .		75 ·		72		0
14.	SC-E		74	$\Box$	77		80		75 ·		73		59		0
15.	MB912490		75		76		84	1	7.0		72		66		0
16.	LCS912491		83		89		85		78		80		85	$\Box$	0
17.	LCSD912492		82		90	Т	91		81		79		77		0

		CONTRO	OL LIMITS
SMC 1	Nitrobenzene-d5	46	123
SMC 2	2-Fluorobiphenyl	47	127
SMC 3	Terphenyl-d14	38	167
SMC 4	Phenol-d5	43	123
SMC 5	2-Fluorophenol	51	119
SMC 6	2,4,6-Tribromophenol	44	121

[#] Column to be used to flag recovery limits

^{*} Value outside of contract required limits

D Surrogate diluted out

# 3C WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL										
Lab Code: LA024	Case N	o.:	SAS	SAS No.: SDG No.: 211011405						
Contract:			Meth	od: SW-846 8270						
Prep Batch: <u>448924</u>	Analytic	al Batch.:	448983							
Spike HSN: 912530		SPIKE	SAMPLE	LCS	LCS %	REC FLAG				
COMPOUND	UNITS	ADDED	CONCENTRATION	CONCENTRATION	REC		QC.	LIMITS		
1,2 Diphenylhydrazine	mg/L	.1	0 -	.096	96		20	- 120		
2,4,5-Trichlorophenol	mg/L	.1	0	.094	94		60	- 120		
2,4,6-Trichlorophenol	mg/L	.1	0	.085	85		59	- 120		
2,4-Dichlorophenol	mg/L	.1	0	.086	86		55	- 120		
2,4-Dimethylphenol	mg/L	.1	0	.085	85		14	- 122		
2,4-Dinitrophenol	mg/L	.1 .	0	.08	80		18	- 137		
2,4-Dinitrotoluene	mg/L	.1	0	.093	93		37	- 138		
2,6-Dinitrotoluene	mg/L	.1	0	.098	98		56	- 128		
2-Chloronaphthalene	mg/L	.1	0	.096	96		48	- 120		
2-Chlorophenol	mg/L	.1	0	.085	85		42	- 120		
2-Methyl-4,6-dinitrophenol	mg/L	.1	0	.079	79		49	- 120		
2-Methylnaphthalene	mg/L	.1	0	.087	87		40	- 120		
2-Nitroaniline	mg/L	.1	0	.089	89		48	- 120		
2-Nitrophenol	mg/L	.1	0	.09	90		59	- 120		
3,3'-Dichlorobenzidine	mg/L	.1	0	.09	90		51	- 154		
3-Nitroaniline	mg/L	.1	0	.089	89		34	- 120		
4-Bromophenyl-phenylether	mg/L	.1	0	.105	105	$\top$	61	- 120		
4-Chloro-3-methylphenol	mg/L	.1	0	.082	82		44	- 120		
4-Chloroaniline	mg/L	.1	0	.1	100		30	- 120		
4-Chlorophenyl-phenylether	mg/L	.099	0.	.099	100		52	- 120		
4-Nitroaniline	mg/L	.101	0	.091	90		38	- 120		
4-Nitrophenol	mg/L	.1	0	.043	43	1 1	10	- 120		
Acenaphthene	mg/L	.1	0	.101	101		52	- 120		
Acenaphthylene	mg/L	.1	0	.117	117	1	55	- 120		
Acetophenone	mg/L	.1	0	.096	96	7 7	60	- 124		
Aniline	mg/L	.1	0	.176	176	1 • 1	19	- 124		
Anthracene :	mg/L	.1	0	.106	106		58	- 120		
Atrazine (Aatrex)	mg/L	.1	0	.138	138		39	- 148		
Benzaldehyde	mg/L	.1	0	.474	474	1 •	40	- 118		
Benzo(a)anthracene	mg/L	.1	0	.104	104		56	- 120		
Benzo(a)pyrene	mg/L	.1	0	.11	110		56	- 120		
Benzo(b)fluoranthene	mg/L	.1	0	.098	98		55	- 120		
Benzo(g,h,i)perylene	mg/L	.1	0	.09	90		44	- 132		
Benzo(k)fluoranthene	mg/L	.1	0	.108	108	1 1	49	- 121		
Benzoic acid	mg/L	.1	. 0	034	34		10	- 120		

RPD:	0	out of	69	ou	tside limi	its
Spike R	ecove	ery:	4	out of	138	outside limits

# 3C WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL SDG No.: 211011405 Lab Code: LA024 Case No.: SAS No.: Method: SW-846 8270 Contract: Prep Batch: 448924 Analytical Batch.: 448983 Benzyl alcohol .086 86 mg/L .1 120 0 32 Biphenyl .1 0 .091 91 39 122 mg/L Bis(2-Chloroethoxy)methane mg/L .1 0 .096 96 56 120 Bis(2-Chloroethyl)ether mg/L .1. 0 .096 96 37 120 Butylbenzylphthalate mg/L .1 0 .097 97 62 122 Caprolactam mg/L .1, 0 .031 31 10 120 -Carbazole .1 0 .09 90 47 120 mg/L Chrysene .1 0 .103 103 120 mg/L 58 Di-n-butylphthalate .098 98 mg/L .1 0 62 122 Di-n-octylphthalate .084 84 mg/L .1 0 56 133 85 Dibenz(a,h)anthracene .085 .1 0 50 138 mg/L -Dibenzofuran mg/L .1 0 .093 93 54 120 .101 101 Diethylphthalate mg/L .1 ō 56 120 Dimethyl-phthalate 100 mg/L .1 0 .1 59 120 Fluoranthene 0 .096 96 55 120 mg/L .1 .101 101 Fluorene mg/L .1 0 54 120 -Hexachlorobenzene mg/L .1 0 .097 97 61 120 Hexachlorocyclopentadiene .1 0 .113 113 16 120 mg/L 0. .087 87 120 Hexachloroethane .1 21 mg/L Indeno(1,2,3-cd)pyrene .1 0 .082 82 43 133 mg/L 94 Isophorone 0 .094 53 120 mg/L .1 _ .094 94 N-Nitroso-di-n-propylamine mg/L .1 0 47 120 N-Nitrosodimethylamine 0 .073 73 120 mg/L .1 12 N-Nitrosodiphenylamine .098 0 111 .109 mg/L 58 121 95 Nitrobenzene mg/L .1 0 .095 53 120 .075 75 Pentachlorophenol mg/L .1 0 25 158 ·.105 105 Phenanthrene mg/L .1 Ó 58 120 Phenol mg/L .1 0 .047 47 16 120 Pyrene mg/L .1 0 .116 116 54 120 Pyridine mg/L .1 0 .043 43 10 120 bis(2-Chloroisopropyl)ether mg/L .1 0 .094 94 47 120 bis(2-ethylhexyl)phthalate ō .089 89 56 132 mg/L .1 -.073 73 m,p-Cresol mg/L .1 0 24 120 0 77 o-Cresol mg/L .1 .077 31 120

RPD:	0	out of		69 out	side lim	its
Spike Re	ecove	ery:	4	out of	138	outside limits

# 3C WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL								•			
Lab Code: LA024	Case No.	:	s	AS No.:			SDG No.: 211011405				
Contract:			M	lethod: SW-8	46 827	70					
Prep Batch: <u>448924</u>	Analytica	l Batch.:	<u>448983</u>								
Spike Dupe HSN: 912531	•			n .	•						
COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAC	% RPD	RPD FLAG		LIMITS RPD		
1,2 Diphenylhydrazine	mg/L	.1	.089	89		8		20 120	0 - 50		
2,4,5-Trichlorophenol	mg/L	.1	.087	87		8		60 - 120	0 - 50		
2,4,6-Trichlorophenol	mg/L	• 1.1	.08	80		6		59 - 120	0 - 50		
2,4-Dichlorophenol	mg/L	1	.082	82		5		55 - 120	0 - 50		
2,4-Dimethylphenol	mg/L	.1	.082	82		4		14 - 122	0 - 50		
2,4-Dinitrophenol	mg/L	.1	.077	77		4		18 - 137	0 - 50		
2,4-Dinitrotoluene	mg/L	.1	.088	88		6		37 - 138	0 - 30		
2,6-Dinitrotoluene	mg/L	.1	.092	92		6		56 - 128	0 - 50		
2-Chloronaphthalene	mg/L	.1	.092	92		4		48 - 120	0 - 50		
2-Chlorophenol	mg/L.	.1	.085	85		0,		42 - 120	0 - 30		
2-Methyl-4,6-dinitrophenol	mg/L	.1	.074	74		7		49 - 120	0 - 50		
2-Methylnaphthalene	mg/L	.1	.084	84		4		.40 - 120	0 - 50		
2-Nitroaniline	mg/L	.1	.086	86		3		48 - 120	0 - 50		
2-Nitrophenol	mg/L	.1	.086	86		5		59 - 120	0 - 50		
3,3'-Dichlorobenzidine	mg/L	.1	.087	87		3		51 - 154	0 - 50		
3-Nitroaniline	mg/L	.1	.085	85		5		34 - 120	0 - 50		
4-Bromophenyl-phenylether	mg/L	.1	.101	101		4	$\sqcap$	61 - 120	0 - 50		
4-Chloro-3-methylphenol	mg/L	.1	.08	80		2	1	44 - 120	0 - 30		
4-Chloroaniline	mg/L	.1	.099	99		1		30 - 120	0 - 50		
4-Chlorophenyl-phenylether	mg/L	.099	094	95		5		52 - 120	0 - 50		
4-Nitroaniline	mg/L	.101	.09	89		1		38 - 120	0 - 50		
4-Nitrophenol	mg/L	.1	.041	41		5		10 - 120	0 - 30		
Acenaphthene	mg/L	.1	.097	. 97		4		52 - 120	0 - 30		

110

95

181

101

136

469

100

105

99

85

100

32

55

60

19

58

39

40

56

56

55

44

49

10

1

3

5

1

1

4

5

1

6

8

120 0 - 50

124

124

120

148

118

120

120

120

132

121

120 0

0

0

0

0

0

50

50

50

50

50

50

50

50

50

- 50

0 - 50

-

RPD: 0	out of	69	out out	tside limit	s
Spike Recovery	:	4	out of	138	outside limits

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

.1

.1

.1

.1

.1

.1

.1

.1

.1

.1

.1

.11

.095

.181

.101

.136

.469

.1

.105

.099

.085

.1

.032

Acenaphthylene

Acetophenone

Atrazine (Aatrex)

Benzo(a)anthracene

Benzo(b)fluoranthene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Benzaldehyde

Benzo(a)pyrene

Benzoic acid

Aniline

Anthracene

FORM III SV-1

# 3C WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL					
Lab Code: LA024	Case No.:		SAS No.:	S	DG No.: 211011405
Contract:			Method: SW-846	8270	-
Prep Batch: <u>448924</u>	Analytical Batch.	448983			
Benzyl alcohol	mg/L .1	.085	85	1	32 - 120 0 - 50
Biphenyl	mg/L .1	.087	87 -	4	39 - 122 0 - 50
Bis(2-Chloroethoxy)methane	mg/L .1	.094	94	. 2	56 - 120 0 - 50
Bis(2-Chloroethyl)ether	mg/L .1	.096	96	0	37 - 120 0 - 50
Butylbenzylphthalate	mg/L .1	.096	96	1	62 - 122 0 - 50
Caprolactam	. mg/L .1	.029	29	7	10 - 120 0 - 50
Carbazole	mg/L .1	.088	88	2	47 - 120 0 - 50
Chrysene	mg/L .1	.097	97	6	58 - 120 0 - 50
Di-n-butylphthalate	mg/L .1	.096	96	2	62 - 122 0 - 50
Di-n-octylphthalate	mg/L .1	.083	83	1	56 - 133 0 - 50
Dibenz(a,h)anthracene	mg/L .1	.086	86	1	50 - 138 0 - 50
Dibenzofuran	mg/L .1	.091	91	2	54 - 120 0 - 50
Diethylphthalate	mg/L .1	.096	96	5	56 - 120 0 - 50
Dimethyl-phthalate	mg/L .1	.096	96	4	59 - 120 0 - 50
Fluoranthene	mg/L .1	.095	95	1	55 - 120 0 - 50
Fluorene	mg/L .1	.096	96	5	54 - 120 0 - 50
Hexachlorobenzene	mg/L .1	.091	91	6	61 - 120 0 - 50
Hexachlorocyclopentadiene	mg/L .1	.109	109	4	16 - 120 0 - 50
Hexachloroethane	mg/L .1	.085	85	2	21 - 120 0 - 50
Indeno(1,2,3-cd)pyrene	mg/L .1	.074	74	10	43 - 133 0 - 50
Isophorone	mg/L .1	.091	91	3	53 - 120 0 - 50
N-Nitroso-di-n-propylamine	mg/L .1	.095	95	1	47 - 120 0 - 30
N-Nitrosodimethylamine	mg/L .1	.073	73	1 0	12 - 120 0 - 50
N-Nitrosodiphenylamine	mg/L .098	.102	104	7	58 - 121 0 - 50
Nitrobenzene	mg/L .1	.09	90	5	53 - 120 0 - 50
Pentachlorophenol	mg/L .1	.074	74	1	25 - 158 0 - 30
Phenanthrene	mg/L .1	.097	97	8	58 - 120 0 - 50
Phenol	mg/L .1	.047	47	) 0	16 - 120 0 - 30
Pyrene	mg/L .1	.113	113	3	54 - 120 0 - 30
Pyridine	mg/L .1	.046	46	7	10 - 120 0 - 50
bis(2-Chloroisopropyl)ether	mg/L .1	.095	95	1	47 - 120 0 - 50
bis(2-ethylhexyl)phthalate	mg/L .1	.092	92	: 3	56 - 132 0 - 50
m,p-Cresol	mg/L .1	.072	72	i 1	24 - 120 0 - 50
o-Cresol	mg/L .1	.078	78	1	31 - 120 0 - 50

RPD :	0	out of	69	)OL	ıtside limit	S	
Spike	Recover	y:	4	out of	138	outside l	imits

Lab Name: GCAL			s	ample ID	T-15-F						
Lab Code: LA024	Case No.:			AS No.:		SDG N	SDG No.: 211011405				
Contract:	An	alytical Me	ethod: SW-846 8	270					٠		
Prep Batch: <u>448916</u>	Analytic	al Batch.:	448983								
Spike HSN: 21101140502 COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATIO	ON CON	MS CENTRATION	MS % REC	MS % REC FLAG	QC.	LIN	MITS	
1,2 Diphenylhydrazine	mg/kg	3.98	0		3.52	89	T	49	_	120	
2,4,5-Trichlorophenol	mg/kg	3.98	0		3.19	80		47	-	120	
2,4,6-Trichlorophenol	mg/kg	3.98	0		2.96	74		46	-	120	
2,4-Dichlorophenol	mg/kg	3.98	0		2.96	74	1 1	47	-	120	
0.45: 11.1.1		0.00	· · · · · · · · · · · · · · · · · · ·		0.04				_	122	

COMPOUND	UNITS	AUUEU	CONCENTRATION	CONCENTRATION	NLC ,	, ,	QC.	LIN	11113
1,2 Diphenylhydrazine	mg/kg	3.98	0	3.52	89	T	49	-	120
2,4,5-Trichlorophenol	mg/kg	3.98	0	3.19	80		47	-	120
2,4,6-Trichlorophenol	mg/kg	3.98	0	2.96	74		46	-	120
2,4-Dichlorophenol	mg/kg	3.98	0	2.96	74		47	-	120
2,4-Dimethylphenol	mg/kg	3.98	0	3.04	77		47	-	120
2,4-Dinitrophenol	mg/kg	3.98	0	2.52	63		14	-	120
2,4-Dinitrotoluene	mg/kg	3.98	0	3.27	82		45	-	120
2,6-Dinitrotoluene	mg/kg	3.98	0	3.47	87		47	-	120
2-Chloronaphthalene	mg/kg	3.98	0	3.57	90		52	· -	120
2-Chlorophenol	mg/kg	3.98	. 0	2.97	75		48	-	120
2-Methyl-4,6-dinitrophenol	mg/kg	3.98	0	2.94	74		29	-	120
2-Methylnaphthalene	mg/kg	3.98	0	3.21	81	1	43	-	120
2-Nitroaniline	mg/kg	3.98	0	3.25	82		44		120
2-Nitrophenol	mg/kg	3.98	0	3.28	83		49	-	120
3,3'-Dichlorobenzidine	mg/kg	3.98	0	2.85	72		35	_	120
3-Nitroaniline	mg/kg	3.98	0	2.33	59		20		120
4-Bromophenyl-phenylether	mg/kg	3.98	0	3.89	98		51	-	125
4-Chloro-3-methylphenol	mg/kg	3.98	0	2.83	71		46	-	120
4-Chloroaniline	mg/kg	3.98	0	1.83	46		20	-	120
4-Chlorophenyl-phenylether	mg/kg	3.94	0	3.47	88		50	-	120
4-Nitroaniline	mg/kg	4.02	0	2.89	72		32	-	120
4-Nitrophenol	mg/kg	3.98	0	2.81	71		32	-	120
Acenaphthene	mg/kg	3.98	0	3.67	92	7	50		120
Acenaphthylene	mg/kg	3.98	0	4.19	105		53	-	120
Acetophenone	mg/kg	3.98	0	3.26	82		49	-	120
Aniline	mg/kg	3.98	0	2.78	70		21	-	131
Anthracene	mg/kg	3.98	0	3.9	98	T	52	-	120
Atrazine (Aatrex)	mg/kg	.3.98	0	5.17	130		43	-	150
Benzaldehyde	mg/kg	3.98	0	.334	8	* [	25	-	127
Benzo(a)anthracene	mg/kg	3.98	0	3.74	94		48	-	120
Benzo(a)pyrene	mg/kg	3.98	0	4.04	101		44	-	120
Benzo(b)fluoranthene	mg/kg	3.98	0	3.55	89		31		130
Benzo(g,h,i)perylene	mg/kg	3.98	0	3.32	83		29	-	134
Benzo(k)fluoranthene	mg/kg	3.98	0	3.61	91		36	-	122
Benzoic acid	mg/kg	3.98	0	2.23	56		14	-	124
Benzyl alcohol	ma/ka	3.98	0	3.21	81		47		120

RPD: 0	out of	69	0	utside limit	S	
Spike Recovery	r:	2	out of	138	outside	limits

Lab Name: GCAL			Sample ID T-15-F		
Lab Code: LA024	Case No.:		SAS No.:	SDG No.:	211011405
Contract:	Analytical M	ethod: SW-846 8	3270		
Prep Batch: <u>448916</u>	Analytical Batch.	448983	, 1		
Biphenyl	mg/kg 3.98	0	3.22	81	. 46 - 120
Bis(2-Chloroethoxy)methane	mg/kg 3.98	0	3.49	88	51 - 120
Bis(2-Chloroethyl)ether	mg/kg 3.98	0	3.39	85	46 - 120
Butylbenzylphthalate	mg/kg 3.98	0	3.67	92	46 - 130
Caprolactam	mg/kg 3.98	0	3.12	78	34 - 120
Carbazole	mg/kg 3.98	0	3.39	85	47 - 120
Chrysene	mg/kg 3.98	0	3.57	90	51 - 120
Di-n-butylphthalate	mg/kg 3.98	. 0	3.78	95	50 - 120
Di-n-octylphthalate	mg/kg 3.98	0	3.57	90	41 - 122
Dibenz(a,h)anthracene	mg/kg 3.98	.0	3.32	83	27 - 129
Dibenzofuran	mg/kg 3.98	0	3.32	83	50 - 120
Diethylphthalate	mg/kg 3.98	0 .	3.61	91	36 - 120
Dimethyl-phthalate	mg/kg 3.98	0	3.62	91	50 - 120
Fluoranthene	mg/kg 3.98	.017	3.83	96	39 - 120
Fluorene	mg/kg 3.98	0	3.61	91	48 - 120
Hexachlorobenzene	mg/kg 3.98	0	3.45	87	48 - 120
Hexachlorocyclopentadiene	mg/kg 3.98	0	4.18	105	23 - 121
Hexachloroethane	mg/kg 3.98	0	2.94	74	40 - 120
Indeno(1,2,3-cd)pyrene	mg/kg 3.98	0	3.32	83	43 - 132
Isophorone	mg/kg 3.98	0	, 3.43	86	49 - 120
N-Nitroso-di-n-propylamine	mg/kg 3.98	0	3.43	86	46 - 120
N-Nitrosodimethylamine	mg/kg 3.98	0	3.18	80	34 - 126
N-Nitrosodiphenylamine	mg/kg 3.9	0	3.88	99	54 - 125
Nitrobenzene	mg/kg 3.98	0	3.34	84	45 - 120
Pentachiorophenol	mg/kg 3.98	0	2.6	65	30 - 124
Phenanthrene	mg/kg 3.98	.011	3.67	92	53 - 120
Phenol	mg/kg 3.98	0	2.95	74	42 - 120
Pyrene	mg/kg 3.98	.021	3.9	98	38 - 136
Pyridine	mg/kg 3.98	0	2.24	56	11 - 120
bis(2-Chloroisopropyl)ether	mg/kg 3.98	0	3.28	83	46 - 120
bis(2-ethylhexyl)phthalate	mg/kg 3.98	0	3.52	89	46 - 129
m,p-Cresol	mg/kg 3.98	0	2.87	72	46 - 120
o-Cresol	mg/kg 3.98	Ö	2.95	74	46 - 120

RPD:_	0	_ out o	of	69	outs	side I	imits		
Spike R	ecove	erv:	2	OL	it of	138	3 o	utside	limits

Lab Name: GCAL		4		Sample ID	T-15-F				•
Lab Code: LA024	Case No	o.:		SAS No.:			SDG I	No.: 211011	405
Contract:	An:	alytical Met	thod: SW-846	8270					
Prep Batch: <u>448916</u>	Analytic	al Batch.:	448983						
Spike Dupe HSN: 2110114	0503								
COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG		RPD FLAG		LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.98	3.19	80	$\overline{}$	10	1	49 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.98	2.93	74	_	9	1 1	47 - 120	0 - 40
2,4,6-Trichlorophenol	mg/kg	3.98	2.63	66		12	+ +	46 - 120	0 - 40
2,4-Dichlorophenol	mg/kg	3.98	2.83	71	<del>-  </del> -	5	-11	47 - 120	0 - 40
2,4-Dimethylphenol	mg/kg	3.98	2.84	71		7	1 1	47 - 120	0 - 40
2,4-Dinitrophenol	mg/kg	3.98	2.16	54	1	15	11	14 - 120	0 - 49
2,4-Dinitrotoluene	mg/kg	3.98	3.06	77		7	1 1	45 - 120	0 - 40
2,6-Dinitrotoluene	mg/kg	3.98	3.19	80		9		47 - 120	0 - 40
2-Chloronaphthalene	mg/kg	3.98	3.13	79		13	1 1	52 - 120	0 - 40
2-Chlorophenol	mg/kg	3.98	2.81	71		6	1	48 - 120	0 - 40
2-Methyl-4,6-dinitrophenol	mg/kg	3.98	2.45	62		18	1	29 - 120	0 - 40
2-Methylnaphthalene	mg/kg	3.98	3.01	76		7	1	43 - 120	0 - 40
2-Nitroaniline	mg/kg	3.98	2.91	73		11		44 - 120	0 - 40
2-Nitrophenol	mg/kg	3.98	3.04	77		. 8	1	49 - 120	0 - 40
3,3'-Dichlorobenzidine	mg/kg	3.98	2.53	64		12		35 - 120	0 - 40
3-Nitroaniline	mg/kg	3.98	2.08	- 52		11		20 - 120	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.98	3.49	88		11		51 - 125	0 - 40
4-Chloro-3-methylphenol	mg/kg	3.98	2.83	71		0		46 - 120	0 - 40
4-Chloroaniline	mg/kg	3.98	1.73	44		5		20 - 120	0 - 50
4-Chlorophenyl-phenylether	mg/kg	3.94	3.15	80		10		50 - 120	0 - 40
4-Nitroaniline	mg/kg	4.02	2.66	66		8		32 - 120	0 ~ 40
4-Nitrophenol	mg/kg	3.98	2.61	66		7		32 - 120	0 - 40
Acenaphthene	mg/kg	3.98	3.26	82		12		50 - 120	0 - 40
Acenaphthylene	mg/kg	3.98	3.73	94	•	12		53 - 120	0 - 40
Acetophenone	mg/kg	3.98	3.09	78		5		49 - 120	0 - 50
Aniline	mg/kg	3.98	2.7	68		3		21 - 131	0 - 40
Anthracene	mg/kg	3.98	3.51	88		11		52 - 120	0 - 40
Atrazine (Aatrex)	mg/kg	3.98	4.68	118		10		43 - 150	0 - 50
Benzaldehyde	mg/kg	3.98	.412	10	*	21		25 - 127	0 - 50
Benzo(a)anthracene	mg/kg	3.98	3.32	83		12		48 - 120	0 - 40
Benzo(a)pyrene	mg/kg	3.98	3.44	86		16		44 - 120	0 - 40

RPD:	0	out of	69	out	tside limit	ts
Spike R	ecove	ery:	2	out of	138	outside limits

3.98

3.98

3.98

3.98

3.98

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

2.82

2.73

3.62

1.87

3.12

Benzo(b)fluoranthene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Benzoic acid

Benzyl alcohol

71

69

91

47

78

23

. 19

.3

17

3

130

134

122

124

120 0

0

29

36

14

47 -

-

40

40

40

- 40

- 40

Lab Name: GCAL			Sample ID	T-15-F			1
Lab Code: LA024	Case No.:		SAS No.:		SDG No.:	2110114	05
Contract:	Analytical Met	hod: SW-846 8	8270				
Prep Batch: <u>448916</u>	Analytical Batch.:	448983		•			
Biphenyl	mg/kg 3.98	3.1	78	4	46	- 120	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg 3.98	3.3	83	6	51	- 120	0 - 40
Bis(2-Chloroethyl)ether	mg/kg 3.98	3.22	· 81	5	46	- 120	0 - 40
Butylbenzylphthalate	mg/kg 3.98	3.59	90	2	46	- 130	0 - 40
Caprolactam	mg/kg 3.98	3.21	81	3	34	- 120	0 - 50
Carbazole	mg/kg 3.98 '.	2.98	75	13	47	- 120	0 - 40
Chrysene	mg/kg 3.98	3.38	85	5	51	- 120	0 - 40
Di-n-butylphthalate	mg/kg 3.98	3.4	- 86	11	50	- 120	0 - 40
Di-n-octylphthalate	mg/kg 3.98	3.3	83	8	41	- 122	0 - 40
Dibenz(a,h)anthracene	mg/kg 3.98	2.85	72 ·	15	27	- 129	0 - 40
Dibenzofuran	mg/kg 3.98	2.98	75	11	50	- 120	0 - 40
Diethylphthalate	mg/kg 3.98	3.32	83	8	36	- 120	0 - 40
Dimethyl-phthalate	mg/kg 3.98	3.31	83	9	50	- 120	0 - 40
Fluoranthene	mg/kg 3.98	3.28	82	15	39	- 120	0 - 40
Fluorene	mg/kg 3.98	3.2	80	, 12	48	- 120	0 - 40
Hexachlorobenzene	mg/kg 3.98	3.03	76	13	48	- 120	0 - 40
Hexachlorocyclopentadiene	mg/kg 3.98	3.4	86	· 20	23	- 121	0 - 40
Hexachloroethane	mg/kg 3.98	2.84	71	3	40	- 120	0 - 40
Indeno(1,2,3-cd)pyrene	mg/kg 3.98	2.61	66	24	43	- 132	0 - 40
Isophorone	mg/kg 3.98	3.26	82	5	49	- 120	0 - 40
N-Nitroso-di-n-propylamine	mg/kg 3.98	3.25	82	, 5	46	- 120	0 - 40
N-Nitrosodimethylamine	mg/kg 3.98	2.9	73	9	34	- 126	0 - 40
N-Nitrosodiphenylamine	mg/kg 3.9	3.53	91	9	54	- 125	0 - 40
Nitrobenzene	mg/kg 3.98	3.08	77	8	45	- 120	0 - 40
Pentachlorophenol	mg/kg 3.98	2.39	60	, 9	30	- 124	0 - 40
Phenanthrene	mg/kg 3.98	3.32	83	10	53	- 120	0 - 40
Phenol	mg/kg 3.98	2.76	69	7	42	- "120	0 - 40
Pyrene	mg/kg 3.98	3.98	99	2	38	- 136	0 - 40
Pyridine	mg/kg 3.98	2.45	62	9	11	- 120	0 - 40
bis(2-Chloroisopropyl)ether	mg/kg 3.98	3.16	80	4	46	- 120	0 - 40
bis(2-ethylhexyl)phthalate	mg/kg 3.98	3.4	86	3	46	- 129	0 - 40
m,p-Cresol	mg/kg 3.98	2.77	70	3	46	- 120	0 - 40
o-Cresol	mg/kg 3.98	2.76	69	! 7	46	- 120	0 - 40

RPD:	0	out of	69	out	side li	mits	
Snike R	e cov	DU.	2 (	ut of	138	outside limi	t

Lab Name: GCAL	· · · · · · · · · · · · · · · · · · ·			•		•
Lab Code: LA024	Case No	·.:	SAS	No.:	SDG N	o.: 211011405
Contract:	Ana	alytical Me	thod: SW-846 8270			
Prep Batch: <u>448916</u>	Analytica	al Batch.:	448983			
Spike HSN: 912491 COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG QC. LIMITS
1,2 Diphenylhydrazine	mg/kg	3.31	T 0	2.91	88	49 - 120
2,4,5-Trichlorophenol	mg/kg	3.31	0	2.66	80	47 - 120
2,4,6-Trichlorophenol	mg/kg	3.31	0	2.43	73	46 - 120
2,4-Dichlorophenol	mg/kg	3.31	0 .	2.53	76	47 - 120
2,4-Dimethylphenol	mg/kg	3.31	0	2.52	76	47 - 120
2,4-Dinitrophenol	mg/kg	3.31	0	2.35	71	14 - 120
2,4-Dinitrotoluene	mg/kg	3.31	0	2.71	82	45 - 120
2,6-Dinitrotoluene	mg/kg	3.31	0	2.91	88	47 - 120
2-Chloronaphthalene	mg/kg	3.31	0	2.91	88	52 - 120
2-Chlorophenol	mg/kg	3.31	0	2.52	76	48 - 120
2-Methyl-4,6-dinitrophenol	mg/kg	3.31	0	2.46	74	29 - 120
2-Methylnaphthalene	mg/kg	3.31	0	2.73	82	43 - 120
2-Nitroaniline	mg/kg	3.31	0	2.63	79	44 - 120
2-Nitrophenol	mg/kg	3.31	0	2.67	81	49 - 120
3,3'-Dichlorobenzidine	mg/kg	3.31	0	1.19	36	35 - 120
3-Nitroaniline	mg/kg	3.31	0	1.2	36	20 - 120
4-Bromophenyl-phenylether	mg/kg	3.31	0	3.33	101	51 - 125
4-Chloro-3-methylphenol	mg/kg	3.31	0	2.44	74	46 - 120
4-Chloroaniline	mg/kg	3.31	0	.764	23	20 - 120
4-Chlorophenyl-phenylether	mg/kg	3.28	0	2.98	91	. 50 - 120
4-Nitroaniline	mg/kg	3.34	0	2.36	71	32 - 120
4-Nitrophenol	mg/kg	3.31	0	2.39	72	32 - 120
Acenaphthene	mg/kg	3.31	. 0	3.03	92	50 - 120
Acenaphthylene	mg/kg	3.31	0	3.44	104	53 - 120
Acetophenone	mg/kg	3.31	0	2.8	85	49 - 120
Aniline	mg/kg	3.31	0	1.04	31	21 - 131
Anthracene	mg/kg	3.31	0	3.24	98	52 - 120
Atrazine (Aatrex)	mg/kg	3.31	0	4.23	128	43 - 150
Benzaldehyde	mg/kg	3.31	0	.282	9	* 25 - 127
Benzo(a)anthracene	mg/kg	3.31	0	3.11	94	48 - 120
Benzo(a)pyrene	mg/kg	3.31	0	3.32	100	44 - 120
Benzo(b)fluoranthene	mg/kg	3.31	0	3.08	93	31 - 130
Benzo(g,h,i)perylene	mg/kg	3.31	0	2.57	78	29 - 134
Benzo(k)fluoranthene	mg/kg	3.31	0	3.17	96	36 - 122
Benzoic acid	mg/kg	3.31	0	2.72	82	14 - 124
Benzyl alcohol	mg/kg	3.31	0	2.68	81	47 - 120

out of 138 outside limits

RPD: 1 out of 69 outside limits

Spike Recovery: 2

Lab Name: GCAL					
Lab Code: LA024	Case No.:	SAS	No.:	SDG No.:	211011405
Contract:	Analytical Me	ethod: SW-846 8270	*	٠.	
Prep Batch: <u>448916</u>	Analytical Batch.:	448983	, i	•	
Biphenyl	mg/kg 3.31	7 0	2.83	85	46 - 120
Bis(2-Chloroethoxy)methane	mg/kg 3.31	0	2.93	88	51 - 120
Bis(2-Chloroethyl)ether	mg/kg 3.31	0	2.83	. 85	46 - 120
Butylbenzylphthalate	mg/kg 3.31	0	2.89	87	46 - 130
Caprolactam	mg/kg 3.31	0	2.84	86	34 - 120
Carbazole	mg/kg 3.31	0	2.78	84	47 - 120
Chrysene	mg/kg 3.31	0	2.94	89	51 - 120
Di-n-butylphthalate	mg/kg 3.31	0	3.17	96	50 - 120
Di-n-octylphthalate	mg/kg 3.31	0	2.71	82	41 - 122
Dibenz(a,h)anthracene	mg/kg 3.31	0 ·	2.56	77	27 - 129
Dibenzofuran	mg/kg 3.31	0	2.81	85	50 - 120
Diethylphthalate	mg/kg 3.31	0	3.06	92	36 - 120
Dimethyl-phthalate	mg/kg 3.31	0	2.97	90	50 - 120
Fluoranthene	mg/kg 3.31	0	3.07	93	39 - 120
Fluorene	mg/kg 3.31	0	3.02	91	48 - 120
Hexachlorobenzene	mg/kg 3.31	Ö	2.96	89	48 - 120
Hexachlorocyclopentadiene	mg/kg 3.31	0	3.56	108	23 - 121
Hexachloroethane	mg/kg 3.31	· · 0	2.54	77	40 - 120
Indeno(1,2,3-cd)pyrene	mg/kg 3.31	0	2.32	70	43 - 132
Isophorone	mg/kg 3.31	0	2.91	88	49 - 120
N-Nitroso-di-n-propylamine	mg/kg 3.31	0	2.9	88	46 - 120
N-Nitrosodimethylamine	mg/kg 3.31	0	2.67	81	34 - 126
N-Nitrosodiphenylamine	mg/kg 3.25	0	3.23	100	54 - 125
Nitrobenzene	mg/kg 3.31	0	2.79	84	45 - 120
Pentachlorophenol	mg/kg 3.31	0	2.38	72	30 - 124
Phenanthrene	mg/kg 3.31	0	3.11	94	53 - 120
Phenol	mg/kg 3.31	0	2.37	72	42 - 120
Pyrene	mg/kg 3.31	0	3.25	98	38 - 136
Pyridine	mg/kg 3.31	0	2.02	61	11 - 120
bis(2-Chloroisopropyl)ether	mg/kg 3.31	0	2.83	85	46 - 120
bis(2-ethylhexyl)phthalate	mg/kg 3.31	0	2.81	85	46 - 129
m,p-Cresol	mg/kg 3.31	0	2.47	75	46 - 120
o-Cresol	mg/kg 3.31	0	2.46	74	46 - 120

RPD: 1	out of	69	outsi	de limi	ts
Spike Recovery	r:	2 (	out of	138	outside limits

Lab Name: GCAL		·							
Lab Code: LA024	Case No	v.:	SA	AS No.:		<del></del>	SDG No	.: 211011	405
Contract:	Ana	alytical Met	hod: SW-846 82	70			,		•
Prep Batch: <u>448916</u>	Analytica	al Batch.:	448983						
Spike Dupe HSN: 912492			•		٠				
COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. REC	LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.3	3.04	92	$\top$	4	4	9 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.3	2.76	84	$\top$	. 4	4	7 - 120	0 - 40
2,4,6-Trichlorophenol	mg/kg	3.3	2.47	75	$\top$	2	4	6 - 120	0 - 40
2,4-Dichlorophenol	mg/kg	3.3	2.56	78		1	1 4	7 - 120	0 - 40
2,4-Dimethylphenol	mg/kg	3.3	2.48	75		2	4	7 - 120	0 - 40
2,4-Dinitrophenol	mg/kg	3.3	2.27	69		3	1	4 - 120	0 - 49
2,4-Dinitrotoluene	mg/kg	3.3	2.65	80	1	2	4	5 - 120	0 - 40
2,6-Dinitrotoluene	mg/kg	3.3	2.83	86	1 1	3	4	7 - 120	0 - 40
2-Chloronaphthalene	mg/kg	3.3	2.98	90	1 1	2	1 5	2 - 120	0 - 40
2-Chlorophenol	mg/kg	3.3	2.6	79	1	3	1 4	8 - 120	0 - 40
2-Methyl-4,6-dinitrophenol	mg/kg	3.3	2.53	77	1	3	1 2	9 - 120	0 - 40
2-Methylnaphthalene	mg/kg	3.3	2.76	84	+	1		3 - 120	0 - 40
2-Nitroaniline	mg/kg	3.3	2.67	81	+	2		4 - 120	0 - 40
2-Nitrophenol	mg/kg	3.3	2.75	83	+	3		9 - 120	0 - 40
3.3'-Dichlorobenzidine	mg/kg	3.3	1.49	45	+	22		5 - 120	0 - 40
3-Nitroaniline	mg/kg	3.3	1.34	41	<del></del>	11		0 - 120	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.3	3.44	104		3	<del></del>	1 - 125	0 - 40
4-Chloro-3-methylphenol	mg/kg	3.3	2.43	74	╅	.4		6 - 120	0 - 40
4-Chloroaniline	mg/kg	3.3	.982	30	+	25		0 - 120	0 - 50
4-Chlorophenyl-phenylether	mg/kg	3.27	2.94	90	+	1		0 - 120	0 - 40
4-Nitroaniline		3.33	2.26	68		4	<del></del>	2 - 120	<del>                                     </del>
4-Nitrophenol	mg/kg	3.33	2,26	68	+	6			<del> </del>
<del></del>	mg/kg	3.3				0			<del> </del>
Acenaphthene	mg/kg	3.3	3.03	92			$\rightarrow$	0 - 120	0 - 40
Acenaphthylene	mg/kg	3.3	3.45	105		.3 4	<del></del>	3 - 120	0 - 40
Acetophenone Aniline	mg/kg	3.3	2.91	88 60	+			9 - 120	0 - 50
<u> </u>	mg/kg		1.98		+	62		<del></del>	0 - 40
Anthracene	mg/kg	3.3	3.34	101	4	3	5		0 - 40
Atrazine (Aatrex)	mg/kg	3.3	4.27	129		.9	4		0 - 50
Benzaldehyde	mg/kg	3.3	.28	8		.7		5 - 127	0 - 50
Benzo(a)anthracene	mg/kg		3.12	95		.3		8 - 120	
Benzo(a)pyrene	mg/kg	3.3	3.35	102	4	.9		4 - 120	0 - 40
Benzo(b)fluoranthene	mg/kg	3.3	3.1	94	+	.6		1 - 130	0 - 40
Benzo(g,h,i)perylene	mg/kg	3.3	2.39	72	4	7		9 - 134	0 - 40
Benzo(k)fluoranthene	mg/kg	3.3	3.31	100	4-4	4		6 - 122	0 - 40
Benzoic acid	mg/kg	3.3	2.66	81	$\perp \! \! \perp \! \! \perp$	2		4 - 124	
Benzyl alcohol	mg/kg	3.3	2.92	- 88		9	4	7 - 120	0 - 40

Spike Recovery: 2

out of 138 outside limits

Lab Name: GCAL							•		
Lab Code: LA024	Case No.:			SAS No.:		:	SDG No.:	2110114	105
Contract:	Analyt	tical Met	hod: SW-846	3270					•
Prep Batch: <u>448916</u>	Analytical E	Batch.:	448983						
Biphenyl	mg/kg	3.3	2.78	84		. 2	46	- 120	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.3	2.96	90		1	51	- 120	0 40
Bis(2-Chloroethyl)ether	mg/kg	3.3	2.92	88		3	46	- 120	0 - 40
Butylbenzylphthalate	mg/kg	3.3	3.08	93		6	46	- 130	0 - 40
Caprolactam	mg/kg	3.3	2.69	82		5	34	- 120	0 - 50
Carbazole	mg/kg	3.3	2.76	84		.7	47	- 120	0 - 40
Chrysene	mg/kg	3.3	3.03	92		3	51	- 120	0 - 40
Di-n-butylphthalate	mg/kg	3.3	3.06	- 93		4	50	- 120	0 - 40
Di-n-octylphthalate	mg/kg	3.3	2.73	83		.7	41	- 122	0 - 40
Dibenz(a,h)anthracene	mg/kg	3.3	2.57	78		.4	27	- 129	0 - 40
Dibenzofuran	mg/kg	3.3	2.78	84		1	50	- 120	0 - 40
Diethylphthalate	mg/kg	3.3	2.9	. 88		5	36	- 120	0 - 40
Dimethyl-phthalate	mg/kg	3.3	2.9	88		2	50	- 120	0 - 40
Fluoranthene	mg/kg	3.3	3.03	92		1	39	- 120	0 - 40
Fluorene	mg/kg	3.3	2.9	- 88		. 4	48	- 120	0 - 40
Hexachlorobenzene	mg/kg	3.3	3.1	94		5	48	- 120	0 - 40
Hexachlorocyclopentadiene	mg/kg	3.3	3.8	115		7	23	- 121	0 - 40
Hexachloroethane	mg/kg	3.3	2.65	- 80		4	40	- 120	0 - 40
Indeno(1,2,3-cd)pyrene	mg/kg	3.3	2.12	64		9	43	- 132	0 - 40
Isophorone	mg/kg	3.3	2.92	88		.3	49	- 120	0 - 40
N-Nitroso-di-n-propylamine	mg/kg	3.3	3.01	91		4	46	- 120	0 - 40
N-Nitrosodimethylamine	mg/kg	3.3	2.88	87		8	34	- 126	0 - 40
N-Nitrosodiphenylamine	mg/kg	3.23	3,34	103		3	54	- 125	0 - 40
Nitrobenzene	mg/kg	3.3	2.78	84	- 1	.4	45	- 120	0 - 40
Pentachlorophenol	mg/kg	3.3	2.39	72		.4	30	- 124	0 - 40
Phenanthrene	mg/kg	3.3	3.13	95		.6	53	- 120	0 - 40
Phenol	mg/kg	3.3	2.55	77		7	42	- 120	0 - 40
Pyrene	mg/kg	3.3	3.47	105		7 .	38	- 136	0 - 40
Pyridine	mg/kg	3.3	2.21	67		9	11	- 120	0 - 40
bis(2-Chloroisopropyl)ether	mg/kg	3.3	2.86	87		1	46	- 120	0 - 40
bis(2-ethylhexyl)phthalate	mg/kg	3.3	2.96	90		5	46	- 129	0 - 40
m,p-Cresol	mg/kg	3.3	2.55	77		3	46	- 120	0 - 40
o-Cresol	mg/kg	3.3	2.56	78		4	46	- 120	0 - 40

RPD : 1 01	ıt of	69	<u> </u>	utside	limits		
Spike Recovery:		2	out of	13	8 0	outside	limits

# 4B SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL		Sample ID: _N	/B912529			
Lab Code: LA024 Case No.:		Contract:				
Lab File ID: 2110114/e7973		SAS No.:		SDG No	.: 211011405	
GC Column: RTX-5MS-30 ID: .25	(mm)	Lab Sample ID	: 912529	Date l	Extracted: 01/14/11	
Instrument ID: MSSV4 Matrix: Water	er	Date Analyzed	01/14/	I1 Time:	1459	
Level: LOW		Method: SW-	846 8270	······································		
		Prep Batch:	448924	Analytical	Batch: 448983	
THIS METHOD BL	ANK APPLIE	S TO THE FOL	LOWING	SAMPLES		
•	LA	B L	.AB	DATE	TIME	
SAMPLE NO.	SAMPL	LE ID FIL	.E ID	ANALYZED	ANALYZED	
1 . LCS912530	9125	30 21101	14/e7974	01/14/11	1516	
2. LCSD912531	9125	31 21101	14/e7975	01/14/11	1533	
3 FOLUPMENT BLANK	2110114	0514 21101	14/e7976	01/14/11	1549	

# 4B SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL	Sample ID: MB912490	
Lab Code: LA024 Case No.:	Contract:	
Lab File ID: 2110114/e7977	SAS No.:	SDG No.: 211011405
GC Column: RTX-5MS-30 ID: .25 (mm)	Lab Sample ID: 912490	Date Extracted: 01/14/11
Instrument ID: MSSV4 Matrix: Solid	Date Analyzed: 01/14/11	Time: 1606
Level: LOW	Method: SW-846 8270	
	Prep Batch: 448916	Analytical Batch: 448983
THIS METHOD BLANK APPL	IES TO THE FOLLOWING SAMF	PLES
	AD IAD	DATE TIME

	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
LCS912491	912491	2110114/e7978	01/14/11	1623
LCSD912492	912492	2110114/e7979	01/14/11	1639
T-15-F	21101140501	2110114/e7980	01/14/11	1656
T-15-F MS	21101140502	2110114/e7981	01/14/11	1713
T-15-F MSD	21101140503	2110114/e7982	01/14/11	1729
T-21-F	21101140504	2110114/e7983	01/14/11	1746
NC-0-0.3	21101140505	2110114/e7984	01/14/11	1803
T-2-WEST	21101140506	2110114/e7985	01/14/11	1819
T-6-FLOOR	21101140507	2110114/e7986	01/14/11	1836
T-6-EAST	21101140508	2110114/e7987	01/14/11	1853
T-6-SOUTH	21101140509	2110114/e7988	01/14/11	1909
T-6-NORTH	21101140510	2110114/e7989	01/14/11	1926
BLIND DUP	21101140511	2110114/e7990	01/14/11	. 1943
SC-W	21101140512	2110114/e7991	01/14/11	2000
SC-E	21101140513	2110114/e7992	01/14/11	2016
T-21-F	21101140504	2110117/e8009	01/17/11	0856

#### 5B

# SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:	GCAL		Contract:	
Lab Code:	LA024	Case No.:	SAS No.:	SDG No.: 211011405
Lab File ID:	2110112/e7895		DFTPP Injection Date 01/12/11	Time: 0743
GC Column:	RTX-5MS-30	ID: <u>.25</u> (mm)	Analytical Batch: 448984	
1	D. MOOV4			

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance							
51	30.0-60.0% of mass 198	39.94	(		)	(	•	)	
68	Less than 2% of mass 69	0	(	0	)	(	1	).	
69	Mass 69 relative abundance	40.32	(		)	(		·)	
70	Less than 2.0% of mass 69	.24	(	.62	)	(	1	)	
127	40.0-60.0% of mass 198	53.66	(		)	(		)	
197	Less than 1.0% of mass 198	0	(		)	(		)	
198	Base Peak, 100% relative abundance	100	(		)	(		)	
199	5.0-9.0% of mass 198	7.46	(		)	(		)	-
275	10.0-30.0% of mass 198	23.59	(		)	(		)	
365	Greater than 1.0% of mass 198	2.43	(		)	(		)	
441	Present, but less than mass 443	8.41	(		)	(		)	
442	Greater than 40.00% of mass 198	64.27	(		)	(		),	
443	17.0-23.0% of mass 442	12.48	(	19.43	; )	(	2	)	

(1)-Value is % mass 69

(2)-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

		LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	STD050	1205	2110112/e7897	01/12/11	0821
2.	STD010	1204	2110112/e7898	01/12/11	0838
3.	STD080	1206	2110112/e7899	01/12/11	0854
4.	STD120	1207	2110112/e7900	01/12/11	0911
5.	STD160	1208	2110112/e7901	01/12/11	0928
6.	STD200	1209	2110112/e7902	01/12/11	0945
7.	STD002	1203	2110112/e7903	01/12/11	1002
8.	STD001	1202	2110112/e7904	01/12/11	1019
9.	STD0.2	1201	2110112/e7905	01/12/11	1037

# SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:	GCAL			Contract:	
Lab Code:	LA024	Case No.:		SAS No.:	SDG No.: 211011405
Lab File ID:	2110114/e7970			DFTPP Injection Date 01/14/11	Time: 1409
GC Column	RTX-5MS-30	. ID: <u>.25</u>	(mm)	Analytical Batch: 448983	
Instrument I	D: MSSV4				•

m/e	ION ABUNDANCE CRITERIA	"	und	ance		•		
51	30.0-60.0% of mass 198	40.07	(		)	(		)
68	Less than 2% of mass 69	. O	(	0	)	(	1	)
69	Mass 69 relative abundance	40.58	(		)	(		) .
70	Less than 2.0% of mass 69	. <b>O</b>	(.	0	)	(	1	)
127	40.0-60.0% of mass 198	54.64	(		)	(		)
197	Less than 1.0% of mass 198	0	(		)	(		)
198	Base Peak, 100% relative abundance	100	(		)	(		)
199	5.0-9.0% of mass 198	6.83	(		)	(		)
275	10.0-30.0% of mass 198	22.68	(		)	(		)
365	Greater than 1.0% of mass 198	2.35	(		)	(		)
441	Present, but less than mass 443	9.16	(		)	(		)
442	Greater than 40.00% of mass 198	57.27	(		)	(		).
443	17.0-23.0% of mass 442	11.72	(	20.48	3)	(	2	)

(1)-Value is % mass 69

(2)-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	LAB	LAB	DATE	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1 STD050	1400	2110114/e7972	01/14/11	1442
2. MB912529	912529	2110114/e7973	01/14/11	1459
3 . LCS912530	912530	2110114/e7974	01/14/11	1516
4 . LCSD912531	912531	2110114/e7975	01/14/11	1533
5. EQUIPMENT BLANK	21101140514	2110114/e7976	01/14/11	1549
6. MB912490	912490	2110114/e7977	01/14/11	1606
7. LCS912491	912491	2110114/e7978	01/14/11	1623
8 LCSD912492	912492	2110114/e7979	01/14/11	1639
9. T-15-F	21101140501	2110114/e7980	01/14/11	1656
0. T-15-F MS	21101140502	2110114/e7981	01/14/11	1713
1 . T-15-F MSD	21101140503	2110114/e7982	01/14/11	1729

#### 5B SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE ( DFTPP )

Lab Name: GCAL	Contract:			
Lab Code: LA024 Case No.:	SAS No.:		SDG No.: 211	011405
Lab File ID: 2110114/e7970	DFTPP Injectio	n Date 01/14/11	Time:	1409
GC Column: RTX-5MS-30 ID: .25	(mm) Analytical Batch	n: 448983		
Instrument ID: MSSV4				
12 . T-21-F	21101140504 21101	14/e7983 01	/14/11 1	1746
13 . NC-0-0.3	21101140505 21101	14/e7984 01	/14/11 1	1803
14 T-2-WEST	21101140506 21101	14/e7985 01	/14/11 1	819
15. T-6-FLOOR	21101140507 21101	14/e7986 01	/14/11 1	836
16 . T-6-EAST	21101140508 21101	14/e7987 01	/14/11 1	853
17. T-6-SOUTH	21101140509 21101	14/e7988 01	/14/11 1	1909
18. T-6-NORTH	21101140510 21101	14/e7989 01	/14/11 1	1926
19. BLIND DUP	21101140511 21101	14/e7990 01	/14/11 1	943
20 . SC-W	21101140512 21101	14/e7991 01	/14/11 2	2000
21 SC-E	21101140513 21101	14/e7992 01	/14/11 2	2016

#### 5B

# SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name:	GCAL			Contract:	
Lab Code:	LA024	Case No.:		SAS No.:	SDG No.: 211011405
Lab File ID:	2110117/e8007			DFTPP Injection Date 01/17/11	Time: 0822
GC Column:	RTX-5MS-30	ID: .25	(mm)	Analytical Batch: 449083	
Instrument I	D: MSSV4			•	

m/e	ION ABUNDANCE CRITERIA			ative Jance	J				
51	30.0-60.0% of mass 198	36.61	(		)	(		)	
68	Less than 2% of mass 69	.5	(	1.41	)	(	1	)	
69	Mass 69 relative abundance	35.48	(		)	(	_	)	
70	Less than 2.0% of mass 69	.25	(	.73	)	(	1	)	
127	40.0-60.0% of mass 198	51.16	(		)	(	_•	)	
197	Less than 1.0% of mass 198	.42	(		)	(		)	
198	Base Peak, 100% relative abundance	100	(	, .	)	(		)	
199	5.0-9.0% of mass 198	6.61	(		)	(		)	-
275	10.0-30.0% of mass 198	23.34	(		)	(		)	
365	Greater than 1.0% of mass 198	2.55	-(	,	)	(		)	
441	Present, but less than mass 443	9.87	(	•	)	(	_	)	
442	Greater than 40.00% of mass 198	64.07	(		)	(		)	
443	17.0-23.0% of mass 442	12.58	Υ(	19.64	)	(	2	)	

(1)-Value is % mass 69

(2)-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

		LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	ANALYZED
1.	STD050	1400	2110117/e8008	01/17/11	0838
2.	T-21-F	21101140504	2110117/e8009	01/17/11	0856
3.	APP9050	1400 /	2110117/e8011	01/17/11	1403

Report Date: 19-Jan-2011 16:21 Page 1

GCAL, Inc.

#### INITIAL CALIBRATION DATA

: 27-DEC-2010 10:24 Start Cal Date End Cal Date : 12-JAN-2011 10:37

Quant Method : ISTD Target Version : 3.50 Integrator : HP RTE

: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb Method file

Cal Date

#### Calibration File Names:

Level 1: /var/chem/MSSV4.i/2110112.s.b/e7905.d Level 2: /var/chem/MSSV4.i/2110111.s.b/e7868.d Level 3: /var/chem/MSSV4.i/2110111.s.b/e7878.d Level 4: /var/chem/MSSV4.i/2110111.s.b/e7874.d Level 5: /var/chem/MSSV4.i/2110111.s.b/e7873.d Level 6: /var/chem/MSSV4.i/2110111.s.b/e7875.d Level 7: /var/chem/MSSV4.i/2110111.s.b/e7876.d Level 8: /var/chem/MSSV4.i/2110111.s.b/e7876.d Level 9: /var/chem/MSSV4.i/2110111.s.b/e7876.d Level 9: /var/chem/MSSV4.i/2110111.s.b/e7866.d

	0.2000	1	2 1	10	50	80	1	. (	Coefficients		%RSD
Compound	Level 1	Level 2		Level 4	Level 5	Level 6	Curve	•	m1	m2 (	or R^2
	120	160	   200				1 '	ļ. · -			
	Level 7		,	. 1	, 		1	ı İ	•		<b>.</b> 
1 n-Nitrosodimethylamine	.	+++++	=======    0.67479		'		•	********	 		
·	0.63292	0.69510	•		 		AVRG	<b> </b>	0.666921		4.4692
2 Pyridine	+++++	1.34758	•			1.27949	1		 		<u>-</u>
	1.30643		1.22249)		 		AVRG	 	1.28278		7.5815
5 Aniline	+++++	3104	' · ·		'			l	ii		l
	258128	263635	+++++		l		QUAD	0.08231	0.00216	0.38649	0.9920
	_   .	<del></del>	 		<del></del>		1		ı! ı		
					·			· ————			

Report Date: 19-Jan-2011 16:21

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24 End Cal Date : 12-JAN-2011 10:37

Quant_Method __: ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000     Level 1	1   Level 2	2   Level 3	. 10 ! Level 4	50 ! Level 5 !	80 Level 6		ь	Coefficients m1	m2·	%RSD   or R^2
Compound	Level 7	160   Level 8	200 ! Level 9		    	Tevel 0	I   I			in2	1 1 1
.6 Phenol +	+++++	1.51309	1.48317		1.58315    .	1.59870	        AVRG		1.539251		4.0375
7 bis(-2-Chloroethyl)Ether	+++++   0.77302	+++++   0.77615	0.70766		' '	0.75423					3.198
8 2-Chlorophenol	1.41658	+++++ 1.39053			1.38858  				1 1.339961		1   4.809
9 1,3-Dichlorobenzene	+++++     1.51442	+++++   1.51791	·		1.48238  				!		1 .1 4.453
11 1,4-Dichlorobenzene +	+++++     1.54094	+++++   1.52639			. i	l	AVRG				   2.186
12 Benzyl alcohol	1 0.735031	+++++ 0.71370  	+++++     0.66568	0.62917	j !		AVRG				   5.466
13·1,2-Dichlorobenzene	+++++     1.44355	1.62477	•		1.41757  						   6.992
			( =======		ſ	- ·	11		1 1		-1

Report Date: 19-Jan-2011 16:21

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GCAL, Inc.

### INITIAL CALIBRATION DATA

Compound	0.2000   Level 1	l Level 2	2   Level 3	10   Level 4	50 )		  Curve	b	Coefficients ml	m2	%RSD   or R^2
	120   Level 7	160   Level 8	200   Level 9	   			(   				1 1 1
14 Bis(2-chloroisopropyl)ether	+++++	1.32813	, ,	1.37555		1.40131		l	1.38786	<b>, 60</b> .	3.10813
15 2-Methylphenol	+++++     1.13095	+++++   1.11775	0.975091				AVRG		1.08588		1 5.29052
16 N-Nitroso-di-n-propylamine++	+++++ 1   0.73758	0.69647			•	0.72846	•	1	1 0.709661		   3.8207(
17 3- 6 4-Methylphenol	1 +++++ 1	•	1.04398		1.16001-	•	AVRG		1.09705	· · -	.l=.
18 Hexachloroethane	+++++     0.56808	0.65011		0.52826	•	0.53526	,	   	0.54554		9.0473
20 Nitrobenzene	+++++     0.31520	0.34231					AVRG	   	0.31120		1 .5.8105
21 Isophorone	+++++	0.46667			•		•		1 0.496381		4.68438
	   <u></u>		 				l	 		,	·

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

_	0.2000	1 1	2	10	50	80	1 1		Coefficients	_	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5   	Level 6	Curve	b	mļ.	m2	or R^2
	120	. 160	200		· .		[				
	Level 7	Level 8	Level 9	·			 	 			 
22 2-Nitrophenol +	+++++	+++++	0.15017		,,	0.21392	=====				<del></del>
	0.21641	0.21798	0.20919				AVRG	, ·	0.20104	• •	12.323
23 2,4-Dimethyphenol	+++++	+++++	0.27870	0.33496	0.35223	0.35702	1				ı I
· ·	0.354331	0.35099	0.335221		!!!		AVRG	!	0.33764)		) 8.139
24 bis (-2-Chloroethoxy) methane	+++++	*++++	0.32661	0.34245	0.34650	0.35068		<del></del>	- 		 
	0.34872	0.34655	0.33353		1 I	•	AVRG	l	0.34215		2.586
25 Benzoic Acid .	· ++++	+++++	   +++++	0.15044	0.16159	0.17111	 	 			 
	0.18602	0.14743	0.162021		i i		AVRG	!	0.16310		8.665
26 2,4-Dichlorophenol +	·	+++++	0.25819	0.29006	0.30568	0.31327		<del></del> 			 
	0.31528	0.31313	0.29292		l		AVRG		0.298361		6.830
27 1,2,4-Trichlorobenzene	\- <del></del> \ \ +++++	+++++	0.28192	0.32279	0.32495	0.32492	1	<del></del> 			1
	0.329041	0.33235	0.32125		!!!		Į AVRG	! ·	0.31960		5.329
29 Naphthalene	·     +++++	1.02736	   0.89286	0.95525	0.94387	0.95863		 	- 		! !
•	0.945291	0.96013	0.91009		1	-	AVRG	1	0.94918		4.19
	·						1	1	-		

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### GCAL, Inc.

# INITIAL CALIBRATION DATA

	0.2000	1	2	10 !	50	80	l .		cefficients	_	%RSD
Compound	Level 1	Level 2	Level 3 ;	Level 4	Level 5	Level 6	Curve	b.	ml	m2	or R^2
	120 [	160	200 [	,	: 1		 i l				i
	Level 7	Level 8	Level 9		. 1		i i				i.
30 4-Chloroaniline		+++++	0.353491	0.40090	0.37810	0.35187	! 				- (
	0.31985	0.28762	+++++	[	l		AVRG	1	0.34864		11.6055
31 Hexachlorobutadiene +	0.21654	0.204341	0.15309	0.17767			[		1		-  
	0.19130	0.19151	0.18725		! ! 		AVRG		0.18815		9.2818
32 4-Chloro-3-Methylphenol +	+++++	   +++++	0.22653	0.25669	· !			1	1	<del></del> -	-  <del>-</del>
	0.288881	0.27745	0.26230		1		AVRG	, <u>,</u> ,	0.266191	•	7.8175
33 2=Mēthylnāphthalene	0.75282	0.64605	0.589001	0.64598	0.65116	0.65813	[	<del>  </del> 	.		-, <del></del>
	0.64605	0.64512	0.608991		ļ .		AVRG	<u> </u>	0.649251		6.9112
34 Hexachlorocyclopentadiene ++		0.298261	0.230021	0.29049	0.37686		,			·	-   <del></del> -
	0.35373	0.35158	0.31297	,	! !		AVRG	. !	0.319221		1 14.6192
35 2,4,6-Trichlorophenol +	   +++++	+++++	1909	12493	122227	165749		 	· · · · · · · · · · · · · · · · · · ·		-
	229864	266293	324035				LINR	0.05377	0.446961		0.9998
36 2,4,5-Trichlorphenol	   +++++	+++++ {	اا آو 0.35302	0.40169	   0.42290	0.42120		 	, · 		- [
	0.438341	0.43991	0.41044	•			AVRG	i !	0.41250		7.179
		· · · · · · · · · · · · · · · · · · ·	1								-

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE

: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb Method file

Cal Date

Compound	0.2000     Level 1	l Level 2	2   Level 3	10 Level 4	50     Level 5	80 Level 6	  Curve	þ	Coefficients m1	m2	%RSD   or R^2
	120     Level 7	160.   Level 8	200 (		[		; ; ; ;				1
38 2-Chloronaphthalene	(	1.19788  1.19429	1.01283	1.15357	1.16173    1.16173	1.13946	AVRG (		1 1.14504		5.08737
39 2-Nitroaniline	+++++     0.43652	+++++	+++++ 0.41261	0.35937		0.41372			0.41051		   6.71376
40 Dimethylphthalate	1.23851	1.26030	1.16509	1.20130		1.23688			l 1.22039)		) 2.6521
41 2,6-Dinitrotoluene	1 +++++ 1	+++++	0.19242	0.25152	0.26962	0.27463			0.26238		1 12.5995
42 Acenaphthylene	1 +++++	1.64434	1.53495	•	1.56283	1.52956			1 1.56191		3.1879
43 3-Nitroaniline	+++++	+++++	++++	0.30427	0.32183	0.32299			0.31626		3.5621
45 Acenaphthene +	+++++	1.15493		-	1.05585	1.03922			1 1.06196	·	1 4.2297
	 			<del></del>		 	 			· · · · · · · · · · · · · · · · · · ·	·

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# GCAL, Inc.

### INITIAL CALIBRATION DATA

	)							÷			
ethod file : /var	c/chem/MS fan-2011			s.b/827	OCE_04.	m ·					
	0.2000	1	2	10 !	50 I	80	1 1		Coefficients		f %RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	p	m1	m2	or R^2
	120     Level 7	Level 8	200   Level 9	     	·						1
46 2,4-Dinitrophenol ++	1 +++++	+++++		0.100741	0.16903  	0.17080	I I				1 31.02683
47 Dibenzofuran	1 +++++	1.55202	1.53338	1.55043  	1.52183	1.53790			1 1.53557		!   1.8248
48 2,4-Dinitrotoluene	+++++   0.37184	+++++   0.35157	0.31061	0.31379    0.31379			AVRG		0.34425		6.8030
	0.17301	0.17462	+++++   0.17429	0.16393  	= = 0.16718	0.16225			0.16921		3.2358
50 Diethylphthalate	1 +++++	0.96110  1.13424	0.97381	1.11368	•	1.11338	I I		1.08163		6.91633
51 Fluorene	1 +++++	1.17856	1.01792	1.15678	•	1.15934			1.13875	ţ.,	1 4.9962
52 4-Chlorophenyl-phenylether	+++++	0.574781	0.543461		'				-		-1,

Report Date : 19-Jan-2011 16:21 Page 8

#### GCAL, Inc.

# INITIAL CALIBRATION DATA

	0.2000	1	2	10	50	80	1	Co	efficients		{ %RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curvel	ъ.	m1	m2	or R^2
	120     Level 7	160   Level 8	200   Level 9		    	~~~~~~	1 1 1 1			-	l   
53 4-Nitroaniline	•	;	+++++	0.31857		0.27698	  =====  	98028###################################	.=*::::::::::::::::::::::::::::::::::::		'   ========= 
	0.30627	0.32406	0.296561		 		AVRG	I	0.30497		j 5.5081
54 4,6-Dinitro-o-cresol	1 +++++	+++++   151737	179347	5526	·	86825	        LINR	0.13186	0.17296		1 1 0.9970
55 N-nitrosodiphenylamine (1)+	+++++	+++++   0.58699	•		0.55628  		          AVRG	 	0.54663		     7.8664
56 Azobenzene	1 +++++	+++++	0.66562	0.72088	0.75967			{	0.75125		(
58 4-Bromophenyl-phenylether	+++++	+++++	0.179641	0.18754	0.20333		           AVRG	1	0.20383	·	     7.4901
59 Hexachlorobenzene	0.21360		•	0.20086	i i		AVRG	1	0.21085	,	     3.1218
60 Pentachlorophenol +	   +++++     128697	+++++ 147511	   790    178334					0.11438	0.16975		1 1 1 0.9978

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Report Date: 19-Jan-2011 16:21

# GCAL, Inc.

### INITIAL CALIBRATION DATA

					<del></del>						
Compound	0.2000     Level 1	1   1       Level 2	2   Level 3	10 Level 4	50     Level 5	80 Level 6	  Curve	b	Coefficients ml	m2	%RSD   or R^2
	1 120 1 Level 7	160 Level 8	200   Level 9		~     		(   				l 
62 Phenanthrene	+++++     1.07444	1.12947	1.06614	1.02199		1.08261	•		1 1.06876	- C	l 2.95851
63 Anthracene	1.08002		0.91729	1.02206	1.04513    1.04513	1.09079	AVRG		1 1.04248		5.36051
.64 Carbazole	1 +++++	1.01903				0.98058	I JAVRG		0.98112		   5.0371
65 Di-n-butylphthalate	1.17243	+++.+.+ ₃	0.78292		ł i	1.16995	  AVRG	-	1 1.07293		1 13.5148
66 Total Methylphenol	1.15081	•			1.14705	1.13031	  AVRG	; } !	1.09146		   6.3401
67 Fluoranthene +	1 +++++	•	1.00163	0.95075	0.94025	0.97780	  AVRG		0.94668		   7.1748
68 Benzidine	0.15576	0.12598	' '		' , '	0.06311	•	   	0.11461	, <del>-,</del>	1 38.740
	_  <del></del> _	 	 					i	_		.1

Report Date: 19-Jan-2011 16:21

### GCAL, Inc.

### INITIAL CALIBRATION DATA

	0.2000	1	2	10	50 1	80	1 1	C	oefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	(Curve)	þ	ml	π2 {	or R^2
	120	160	200		1		1 1			1	
	Level 7	Level 8	Level 9	**********	=====================================				**===========		
69 Pyrene	· ! +++++	1.07504	,		`		, ,	1	1		
	1.36052	•	•		 		AVRG		1.23232	.   - <b></b>	
71 Butylbenzylphthalate	·   +++++		2720 [					į	i		
	3693351		548123		  1		LINR		0.614051		0.99883
72 Benzo(a) anthracene	+++++ 1				1.14722			İ	i i	•	l
	1.17434	1.18936	1.11369		 		AVRG		1.11425;		5.7102
73 3,3'-Dichlorobenzidine	1 +++++	++++			120255		•	ŗ	i		
	219487	265787	329103		 		LINR	0.02410	0.36577		0.99928
75 Chrysene	+++++	1.37981	1.20800	1.11843	1.13703	1.20735	i	į i	i		l I
	1.18854	1.20618	1.17270		[ ·   	 	AVRG	 	1.20225}		6.59012
76 bis(2-Ethylhexyl)phthalate	1 +++++	1319	2668	21368	237546	337863	1	1	1	_	I
<u> </u>	4728501	577892			J	' 	LINR	0.05297	0.78798		0.9981
77 Di-n-octylphthalate +	+++++	++++	+++++	22891	' '	487046	1	 	1		
	714374	895966	1159958		l · !	,	LINR	0.24132	1.31692		0.9987
	1	<del></del>	 		 	<del></del>	I	 			<del>-</del>

Report Date : 19-Jan-2011 16:21 Page 11

# GCAL, Inc.

### INITIAL CALIBRATION DATA

	· · · · · · · · · · · · · · · · · · ·										
Compound	0.2000     Level 1	1 Level 2	2   Level 3	10 Level 4	50     Level 5	80 Level 6	  Curve	b b	ml ml	.m2 (	%RSD or R^2
	120     Level 7	160   Level 8	200   Level 9					· .		 	
78 Benzo(b)fluoranthene	+++++	2138  803446	3959	26080	279436    279436	403551	i I IQUAD	1 0.09873	0.81829	0.004461	0.991
79 Benzo(k)fluoranthene	1.44955	1.00962	1.07671	1.39610	' '	1.45940		1	1.35899	1	14.796
80 Benzo(a)pyrene +	0.89265	0.98335}	0.98062	0.94145	' '	1.09163	AVRG	1	1.03989	i	9.846
82-Indeno(1,2,3-cd)pyrene	165				349680			0.11267)	1.26316)	l	0.995
83 Dibenzo(a,h)anthracene	48.00000    521692		•		270544	352276		ì	1.10560	. 1	0.995
84 Benzo(g,h,i)perylene	114		•	30037	311187		LINR	0.090941	1.25542	1	0.996
85 2-Picoline	1 +++++		+++++	1.39808	1.34936	1.27581			1.30102		4.617
	- <del></del>				 		 				

### GCAL, Inc.

### INITIAL CALIBRATION DATA

: 27-DEC-2010 10:24 : 12-JAN-2011 10:37 : ISTD

Start Cal Date : 27-DE End Cal Date : 12-JA Quant Method : ISTD Target Version : 3.50 Integrator : HP RIMED Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date : 12-JA Call Date :

: HP RTE : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb

Cal Date

Compound	0.2000     Level 1	1   Level 2	2   Level 3	10 ! Level 4 !	50     Level 5	80 Level 6	  Curve		coefficients m1	m2 /	%RSD or R^2
	   120     Level 7	160   Level 8	200 ( Level 9	<del></del> 1 1	 		l   			1 1	
86 N-Nitrosomethylethylamine	+++++     0.43642	· · · · · · · ·	+++++	0.47549	i i	0.38832	' ' '	 	0.43237	, census (	7.0869
87 Methyl methanesulfonate	   +++++     0.475971		•	0.63301	   0.59836  	0.53914	AVRG		0.54269		13.4949
88 N-Nitrosodiethylamine	+++++     0.51090	+++++   0.51946	+++++ [	0.53045	, ,	0.52549	•	 	0.52842	·	3.3462
89 Ethyl methanesulfonate	1 +++++ 1	+++++	•	0.81295	0.856841		  AVRG		0.79501	.´ [	4.3418
90 Pentachloroethane	+++++     0.51047		+++++	0.53492	1 (		AVRG		0.51792	! !	1.7494
91 Acetophenone	1.35661		•	1.27315	,  - 1.32820   -	1.34328		, <del></del>	1.30490	 	3.8593
92 O-Toluidine	1 +++++ (	•	+++++     +++++     500675	. 52936		254630	IQUAD	0.25294	-0.10263	0.30171	0.9976
			<i></i>   				1	 	<del></del>		

Report Date: 19-Jan-2011 16:21 Page 13

# GCAL, Inc.

### INITIAL CALIBRATION DATA

Compound	0.2000   Level 1	l Level 2	2   Level 3	10   Level 4	50     Level 5	80 Level 6	  Curve	b	Coefficients ml	m2	%RSD or R^2
	120   Level 7	160   Level 8	200   Level 9	   	<b></b>		.  	,		. I	
93 N-Nitrosomorpholine	+++++   0.581021	+++++   0.59330	+++++	0.63242	•	0.57176			l		6.3805
94 N-Nitrosopiperidine	+++++   0.20088	+++++	. ++++	0.21448	0.208591		AVRG		0.20392	   	3.2790
95 0,0,0-Triethylphosphorothioat	+++++   0.14709	+++++   0.15143	+++++   0.14984	0.15235	·	0.14563	i  AVRG		. 1	     	1.7821
96 Alpha, Alpha-Dimethylphenethyl	+++++   0.48092	+++++   0.57470	+++++   0.52512	0.51828	1	0.42857		:	0.504221		9.6792
97 Hexachloropropene	+++++   0.19611	0.19623	+++++   0.20470	0.17350	I 1	•	             AVRG		0.19019		6.0105
98 2,6-Dichlorophenol	+++++   0.28553	+++++	+++++   0.28750	0.29789	0.300661		  ·    AVRG	<del></del>		   	3.1955
99 N-Nitrosodi-n-butylamine	+++++   0.17829	+++++ 0.17847	{   +++++     0.17995	0.18369	   0.18726  		  *    AVRG		0.18019	[   	2.6436
	I		 		 		!		-  - -  <u></u>  -	 	

Report Date: 19-Jan-2011 16:21 Page 14

### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/

: HP RTE : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb

Cal Date

	1 0.2000 1	1 !	2	10	50 I	80	1	•	Coefficients		1 %RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b _.	m1	m2	or R^2
	1 120	160	200	 	,		, , , ,				1
	Level 7	Level 8	Level 9				·				
100 p-Phenylenediamine	+++++	+++++	+++++	+++++	0.01474				1 1		 
	0.01262	0.01723	0.02006	•	 		AVRG		0.01512		24.04371
101 Isosafrole	+++++	+++++	+++++	0.13018	0,12964		• 1		1		-,
·	0.12304	0.12596	0.12299	 	· 1	l 	AVRG		0.12552		2.96745
102 1,2,4,5-Tetrachlorobenzene	+++++	0.57855	0.58127	0.66269	0.59615	0.63018			I		-, 1
	0.601231	0.61702	0.61482	•	l	l 1	AVRG		0.61024		4.52546
103 Safrole	+++++	+++++		'	0.99765	1.00032	[ ]		! !		[
	0.96573	0.98667	0.97292	1	 		AVRG		0.99602		3.10612
104 1,4-Naphthoquinone	+++++	0.249741	0.34601	0.40773	0.27466	0.14703			1 1		1
· · · · · · · · · · · · · · · · · · ·	0.06141	+++++	++++	1	<u> </u>	,	AVRG		0.24776		51.32166
105 m-Dinitrobenzene	+++++	+++++	0.14068	0.17277	0.19561	0.18330	 		! !		 
	0.18848	0.21026	0.19933	1	<b> </b>	1	AVRG		0.18435!		12.29412
106 Pentachlorobenzene	++++	+++++	+++++	0.48786	0.47417	0.45663	!! 		 		-,
	0.453971	0.46938	0.46311	!	<u> </u>	l	AVRG		0.46752	. •	2.67671
	.,			J			(1		-		-   <del></del>

Report Date : 19-Jan-2011 16:21

GCAL, Inc.

#### INITIAL CALIBRATION DATA

	0.2000	.1	2	10	50 (	80	1 1	Coefficients			%RSD
Compound I	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	þ	m1	m2 !	or R^2
	120   Level 7	160   Level 8	200   Level 9		 	· ·	 			! 	
107 2-Napthylamine	+++++   396141	+++++ 401398	9837		281008;	265775	I  QUAD	. 1	0.82148	0.24972	•
108 2,3,4,6-Tetrachlorophenol	+++++ ( 0.24133)	+++++   0.26795	0.17131		0.24391	0.23546	! 'I   AVRG	, i	0.233431	 (	14.78954
109 1-Naphthylamine	+++++ ( 373829	+++++ [	12257  +++++		280086 ₁	262177	i l QUAD I	0.03131	0.51044		0.99638
110 Thionazin	+++++ }	· +++++	+++++ [			0.16620	     AVRG	. '			7.8308
111 5-Nitro-o-toluidine	+++++	0.30838	0.30634	0.31309	'	0.29429	        AVRG		0.30774	·	4.92440
112 Tetraethyldithiopyrophosphate	,	+++++ 0.12466	+++++	0.10451	0.12198	0.11335	        AVRG	·	0.11910(		7.8486
113 Diallate	+++++   0.20847	+++++	+++++	0.24245	•	0.21500	•	i i	0.21571		6.4638
			- -		<del></del>		[  	<b></b>		 	

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### GCAL, Inc.

#### INITIAL CALIBRATION DATA

	0.2000	1 1	2 1	10	J 50 I	80	l i	. с	oefficients	· 1	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	– –	Curve	b	ml	m2	or R^2
	120     Level 7	160   Level 8	200   Level 9	1			1   			 	, , ,
114 Phorate	1 +++++	+++++ 0.35611	+++++ 0.31359	0.39234	, ,	0.36721	  AVRG	 	0.35720	i 1	7.91052
115 sym-Trinitrobenzene	+++++     56712	+++++ 67177	+++++   119262	3310		28934	l QUAD	0.13053	14.47101	-6.024361	.
116 Phenacetin	1 +++++ 1	+++++ 0.34379	+++++     0.29996	0.26918	0.29711    0.29711	0.28409	l   AVRG	I I	0.30055}	1 1	8.43080
117 Dimethoate	1 +++++ [	+++++ 0.22232	·   +++++	0.21119		0.19615	  AVRG	! !	0.20730	, ! 1	5.87936
118 Pentachloronitrobenzene	+++++	++++		0.08345	0.08991	0.08310	l    AVRG	' ' '   ! !	0.08858	i	5.23137
119 4-Aminobiphenyl	+++++     318298	4616 ++++	·   +++++	51228	248691 j	239016	JQUAD	0.06165	· · ·		0.99556
120 Pronamide	++++	++++	'   +++++	0.28436	1	0.29521	•	-      -	0.30189	. 1	4.73814
	 t		<del></del>		[	 		 			

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GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date End Cal Date : 27-DEC-2010 10:24 : 12-JAN-2011 10:37

Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

			<del></del>	. 10							
Compound	0.2000     Level 1	Level 2	2 [ Level 3 ]	10 Level 4	50     Level 5	80 Level 6	  Curve		coefficients ml	m2	%RSD   or R^2
	120     Level 7	160 Level 8	   200     Level 9		<del></del>         				,	 	
121 Dinoseb	+++++	+++++	, I 9931	6227	=====================================	71568		0.09085	6.218471	-1.02629	0.994931
122 Disulfoton	+++++   0.27531		+++++     0.25033		0.30911  		AVRG	· ·	0.28677	i 	10.46602
123 Methyl parathion	+++++     0.21250	0.21999			1	0.19528	  AVRG	·	0.20266		7.49767
124 4-Nitroquinoline-1-oxide	1 +++++	+++++ 58658		2062		25437			17.94258	. i	
125 Parathion	1 +++++	+++++ 0.13587			0.12355		AVRG		0.12159	 	8.90693
126 Metapyrilene	+++++				0.20900  	0.19316	AVRG		0.21477	, 1 	11.18237
127 Isodrin	+++++	+++++ 0.12861			0.12882  	0.12329	, ,		0.12545		2.58374
			<b></b>		 		.   .		<del>  </del> 		

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#### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

1	0.2000	1 1	2 1	10	50	80 1	1	Co	pefficients	1	%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	mļ.	m2	or R^2
·	120 ( Level 7 (	160   Level 8	200 i	(   	 		 			: : !	
128 Aramite	+++++   27533	+++++   34597	+++++ 1	1527   	13703! I	14046	LINR	0.18343 _j	0.05432	i 1	0.99522
129 p-(Dimethylamino)azobenzene	+++++   0.35805	+++++	+++++   0.35171	0.33159	0.38700  	0.35837	AVRG	1	0.35748		4.96808
130 Chlorobenzilate	+++++	+++++	+++++	0.28345	0.33187  	0.31142		     	0.32026	1	6.28453
131 Famphur !	+++++ 1 117836	9991	3416	15437		82085	DAUQ	0.04468	1.61681	4.75261	0.99171
132 3,3'-Dimethyl benzidine	+++++   0.16309	•	0.31838	1	0.36210		AVRG	 	0.28741)		40.09647
133 2-Acetylaminofluorene	+++++ i 271829	+++++   366299		11068	104884	135973	I DAD I	0.06459		-0.34838	
134 7,12-Dimethylbenz(a)anthracen	+++++ ( 0.63312	+++++	++++			0.58855		    -  -	0.58769	İ	11.89420

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#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

·											
Compound	( '0.2000     Level 1	1 Level 2	2   Level 3	10 Level 4	50     Level 5	80 Level 6	Curve		Coefficients ml	, m2	%RSD     or R^2
	1 120     Level 7	160 Level 8	   200     Level 9				1 1	·			1 I
135 Hexachlorophene	+++++     0.03299	++++	·   +++++	0.00344	l i	0.01860			l, l   0.02740		
136 3-Methyl cholanthrene	t +++++ 1 1 278258	+++++		11157	992981	135365	i	0.11863	, , 		           0.99766
137 Acrylamide	+++++   0.44009				0.469581		AVRG		     0.47774  		
138 N-Nitrosopyrrolidine	+++++	0.45646	+++++	0.48665	0.46282	0.46732			0.46514		5.10782
139 Pthalic Acid & Anhydride	+++++   0.15223	0.13533	'   +++++	0.19975	0.14946		AVRG		   0.15612		 
140 1,4-Dinitrobenzene	+++++	•	1214    ++++		39202		, ,	0.04125			   0.99971
141 Kepone	1 +++++	•	   +++++     +++++		i i		AVRG		0.05583		     21.14341
	_		 		 		·     .		 		ll

# GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.ix

: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb

Cal Date

Compound I	0.2000   Level 1	1   Level 2	2   Level 3	10   Level 4	50   Level 5	80 Level 6	  Curve	b C	oefficients . ml	m2	%RSD   or R^2
	120   Level 7	160   Level 8	200 i	· ·,	 						! !
142 4,4Methylenebis2chloroanaline	+++++   76721	+++++   104045	+++++	12317	26519	•		0.23981	0.15589		0.9957
143 Tris2,3Dibromopropylphosphate	+++++   21183	+++++ [ 28204	+++++	2686	'	15313	             LINR	0.29624	0.05412		0.9967
144 Maleic Anhydride	+++++   +++++	+++++   +++++	+++++   +++++	+++++	+++++	+++++	AVRG	· !	0.000e+00[		   0.000e+00
145 1-Methylnapthalene	+++++   0.60221	0.59188	•		0.58955	•	        AVRG	 	0.59047		2.6687
146 Total Methylnapthalene	+++++   +++++	+++++   +++++	+++++ (	+++++	++++	+++++	AVRG	!	0.000e+00		   0.000e+0
147 N-methyldiethanolamine	+++++   +++++	+++++	+++++	+++++ 	+++++   	+++++	AVRG	   	0.000e+00	· ·	l   0.000e+0
148 A-Terpineol	+++++   +++++	+++++   +++++	+++++	+++++   +++++	+++++   	+++++   .	AVRG		0.000e+00		   0.000e+0
	1		   <u></u>	<del></del>	 	 	 				·

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GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

•	0.2000 (	1 /	2 1	10	50	80	1 1	c	Coefficients		%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
,	1 120	160	200		<del></del>	<del></del>	1 1				,
	Level 7	Level 8	Level 9		<b>!</b>	·	l 1		.== 400680848	1	
149 3/4-Chlorophenol	+++++	+++++	+++++	+++++		+++++	1 1	ا		. I	
	+++++   	+++++	+++++		 	! !	AVRG	 	0.000e+00		0.000e+00
151 2,3-Dichlorophenol	.  +++++	+++++	+++++	+++++	++++	'   +++++	, , I 1	,	' ' ' 	. 1	
	+++++	+++++	+++++		 	•	AVRG [		0.000e+00  		0.000e+00
152 2,5-Dichlorophenol	1 +++++ 1	+++++	+++++	+++++	+++++	·   +++++	1 1	ļ	! 1	. ,	
	· +++++ 	+++++	+++++   		 	 	AVRG		0.000e+00  		0.000e+00
153 3,4-Dichlorophenol	= <del></del>	. +++++	++++	+++++	,  ,++++		-	!	. ,		
	+++++ 	-++++	+++++	· 	 	 	AVRG		0.000e+00  	•	0.000e+00
154 Dimethyl Benzyl Alcohol	+++++	+++++	+++++	++++	+++++	+++++	1 1			1	
	\ +++++ \ 	+++++	+++++		 	 	AVRG		0.000e+00  	 	0.000e+00
155 Benzaldehyde	+++++	207		9787	58777	•			İ		
	70376	++++ 	+++++		 	•	QUAD	0.04642		3.61156	0.99789
156 Caprolactam	1 +++++ 1		0.054271		0.07198				1 0 07005	l	
	0.07964	0.07262	0.06777    <b></b> -		 	 	AVRG		0.07027  		11.55526
		1	l <u></u> -1		I	l <u></u>	.!		I		

# GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50 Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

											•
Compound	0.2000     Level 1	1   Level 2 `	2   Level 3	10   Level 4	50     Level 5	80 Level 6	  Curve	b	Coefficients ml	m2	%RSD     or R^2
	120     Level 7	160   Level 8	200   Level 9				1 1 1 1				1 1 1 1
157 Biphenyl	+++++     0.73035	0.78161	0.68175	0.73036		0.72719	====            AVRG	~ # E E B E E E	0.71458		5.21331
158 Atrazine	+++++	0.10910		0.14832	0.13242		        AVŔG		0.11879		1 14.923821
159 Dicyclopentadiene	. +++++     _ +++++	+++++	+++++     +++++	++++	+++++   	+++++	AVRG		0.000e+00		0.000e+00
169 Benzenethiol	+++++     +++++	+++++	+++++   +++++	++++	+++++   	++++	AVRG		0.000e+001		0.000e+00
170 Indene	+++++     +++++	+++++	+++++     +++++	+++++		+++++ 	AVRG		0.000e+00	,	0.000e+00
171 Quinoline	+++++	++++	+++++     +++++	++++	+++++   	+++++   	AVRG		0.000e+00		0.000e+001
172 Methyl Chrysene	+++++     +++++	+++++	+++++     +++++	++++	+++++     +++++	'   +++++	AVRG	··	0.000e+00		0.000e+00
	_		 		 	 	   <u></u> -		_  _		-[[

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GCAL, Inc.

#### INITIAL CALIBRATION DATA

			MITITAL (	YATIDKA:	CION DAT	Α			,	•		
End Cal Date : 1 Quant Method : 1 Target Version : 3 Integrator : H Method file : 7	2-J STD 3.50 HP R' var	/chem/M	10:37		.s.b/827	OCE_04.	m					
	,. ]	0.2000	1 1	2	1 10 1	50 1	80	1 1		oefficients		%RSD
Compound	 	Level 1	Level 2   	Level 3	Level 4   	Level 5	Level 6	Curve  	ъ	ml	m2 [	or R^2
	 	120   Level 7			 	 		1 1			. !	
173 Dibenz(a,h)acridine	I I	+++++   +++++	   +++++	+++++ +++++	+++++   	+++++ 1	+++++		0.000e+00	0.000e+00	0.000e+00[	0.000e+00
174 1,4-Dioxane	1	303  121026	152717	1616 184284	8928  	1		LINR	   -0.01747			0.99960
   175 2,4and/or2,6-Diaminotolu 	iene   	+++++   +++++	' +++++     +++++	, +++++	1 i	·	+++++	  AVRG		0.000e+00	 	0.000e+00
{	iene	;   - <del></del>	, ,		'   	 		AVRG	ا ابیعت - سیا ا	<u>.</u>		0.000e+00
176 4-t-Butyl Phenol	   	+++++	+++++	++++		   +++++	+++++	AVRG	I I	0.000e+00		0.000e+0
   177 1,2,3,4-Tetrachlorobenze 		+++++   +++++	   +++++     +++++	+++++	   +++++   	   +++++   !	++++	AVRG	   	0.000e+00	.	0.000e+0
   178 2-Phenyl Phenol	۱ا ا	+++++	   +++++     +++++	+++++		   +++++		     IAVRG	 	0.000e+001		0.000e+0

#### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant-Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

<del></del>	1 0.2000	1		1 10	50	80	1 1		Coefficients	<del></del>	%RSD	1
Compound	Level 1	Level 2	Level 3	Level 4	Level 5		Curve	ь	m1	m2	or R^2	i
	1 120	160	200	<del>-</del>	<del></del>		1 - 1 1 - 1				1	ĺ
	Level 7	Level 8	Level 9	 	 						 	·
179 Ronnel	+++++	+++++	++++	++++	+++++	++++		-	1 . 1		1	ı
·	+++++	+++++ 		 	 	 	AVRG	· 	0.000e+00		0.000e+00	) < !
180 Hexabromobenzene	+++++	+++++	++++	+++++	{ <del>+j+++</del>	. +++++	1 1		i		1	l
	+++++	+++++ 	+++++ 	 	 	 	AVRG		0.000e+00		0.000e+00	
181 Tolylene 2,6-Diisocyanate	+++++	+++++	1 +++++	+++++	+++++	+++++	1				İ	1
	+++++	+++++ 	+++++ 	! 	] 	 	AVRG		0.000e+00    -		0.000e+00	•
182 Tolylene 2,4-Diisocyanate	+++++	\ +++++   +++++	++++	+++++	<u> </u>	+++++	  AVRG		0.000e+00		l 0.000e+00	۱ ا
	-	+++++ 		 	 	 		· 			-	
183 Tolylene 2,5-diisocyanate	+++++	+++++   +++++	+++++   +++++	+++++	++++	. ++++			(		( ! 0.000e+00	1
	-			 		, 	11		11-		-1	
1 184 Tolylene Diisocyanate	\ +++++ \ +++++	\ ` +++++ ! +++++	1 +++++	\ +++++ !	+++++ 	<b>\</b> +++++	  AVRG		0.000e+00		0.000e+00	  -
	-		<del>-</del>		, 				-		-	1
186 Benzothiazole	) +++++   +++++	! +++++   +++++	) +++++ ] +++++	J +++++ I	+++++ 	+++++ 			0.000e+00		   0.000e+00	   <
	-						11				-	
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GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
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Cal Date : 18-Jan-2011 09:22 dlb

				<u> </u>							
ı	0.2000	1	1 2 1	10	50	80	1 1		Coefficients		%RSD
Compound .	Level 1 (	Level 2	Level 3	Level 4	Level 5	Level 6 	Curve	b	· m1	m2	or R^2
i I	120	160	200		1	1	1 1		·	اء :	' ,
	Level 7	Level 8	Level 9	· .	1	l	1 !				
187 2-3H Benzothiazolone	+++++	+++++	   +++++	+++++	+++++		· =====	· ************************************			Barra
1	+++++	++++	+++++	1	1	1	AVRG	ļ	0.000e+001	•	0.000e+00
188 2-3H Benzothiazolethione	   +++++	+++++	   +++++	   +++++			·     	<del>  </del> -   	- 		 
	++++	++++	++++		1	1	AVRG	. !	0.000e+001		0.000e+00
189 2-tet-Butyl-4-methylphenol	   +++++	+++++	+++++		+++++	1 +++++	·	<del></del>   	<del></del>  - 		 
,	+++++ !	++++	+++++	l	Γ΄.		AVRG	·	0.000e+001		0.000e+00
190 Methylbenzothiazole	  · +++++	++++	  +++++	<del></del>   +++++			-   	<del></del> -	 		(
	+++++	++++	+++++	l ,	I	1	IAVRG		0.000e+001		0.000e+00
191 2,3,4-Trichlorophenol	   +++++	+++++	+++++	+++++	+++++	+++++			- 	<b></b>	!
	+++++	++++	+++++	[	1	1	LINR	0.000e+00	0.000e+001		0.000e+00
192 2,3,5,6-Tetrachlorophenol	 	+++++	   +++++ !	   +++++	+++++	+++++	1 .			·	1
	+++++	++++	+++++	l .	I.	1	! AVRG	<u> </u>	0.000e+00i		0.000e+00
193 3,4,5-Trichlorophenol	   +++++	+++++		   ++++ <u>+</u>	+++++	+++++	-	 	- 		
	+++++	++++	+++++	ļ _.	1.	1	IAVRG		0.000e+001		0.000e+00
	 	 	 	<del></del>			-  	 	· 		  _

#### GCAL, Inc.

# INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/

: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb

Cal Date

· · · · · · · · · · · · · · · · · · ·			~							<del></del>	
Compound	0.2000     Level 1	1 Level 2	2   Level 3	10   Level 4	50   Level 5	80   Level 6			Coefficients ml	m2	%RSD     or R^2
	   120     Level 7	160 Level 8	200 Level 9	      	     	     	1 1	· ::			1 1
194 Diphenyl Ether	+++++     +++++	+++++	+++++   +++++	+++++   	+++++   	+++++	AVRG		   0.000e+00		0.000e+00 <
195 2,5/2,4-Dichlorophenol	+++++	+++++	+++++   +++++	+++++ 	\ . +++++ \	1 +++++	AVRG		0.000e+001		0.000e+00 <
196 2,3,4,5-Tetrachlorophenol	+++++     +++++	+++++   +++++	+++++   +++++	+++++   	+++++ 	+++++ 	AVRG		0.000e+00		0.000e+00 <
. 197 Dimethylformamide	+++++     +++++	+++++   +++++	\ .++++ \ ++++	\	+++++   .	{ +++++ 	AVRG		! 0.000e+00!		l 0.000e+00 <
198 4,4-Isopropylidene	+++++	+++++   +++++	+++++   +++++	+++++   	+++++   	+++++	LINR	0.000e+00			1 0.000e+001<
199 1,2,3,4-tetrahyrdronapthalene	+++++     +++++	<del></del>   +++++   +++++		+++++ 	 	+++++ 	AVRG				0.000e+00
200 Decane	+++++     +++++	   +++++   +++++	   +++++   +++++	 	   +++++ 	+++++	AVRG	<b></b>	0.000e+00		  -0.000e+00 <
		 				.1	-	 			

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# GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000   Level 1	1 1     Level 2	2 Level 3	10 Level 4	50     Level 5	80 Level 6	  Curve		Coefficients ml	m2	%RSD     or R^2
Compound							l I	J	W.T.		01   2
	) 120   Level 7	160     Level 8	200 Level 9	) (	) (	<b>l</b>	1 1	<b> </b> 			)
					=====================================		= u = = =	*********			======================================
201 Octadecane	+++++   +++++	+++++   +++++	+++++   +++++	+++++ 	+++++   	<b> </b> +++++   .	-  AVRG	l 	0.000e+00	•	   0.000e+00
202 1,2-Dinitrobenzene		   +++++			   +++++	<del></del>   +++++		<del></del>	-		
202 1, 2-binitiosenzene	1 +++++	+++++	+++++	1	1 11111	l	AVRG		0.000e+00		0.000e+00
203 1-Chloronaphthalene	+++++	   +++++ _. :	1 +++++	   +++++	   ++++	<b></b>   +++++	 	 	·  - 		1
	+++++	+++++	+++++				AVRG		0.000e+00		! 0.000e+00
3 2-Fluorophenol	1900 +++++	•	) <u>.</u> .+,+,+++		1.27164				_1 , , 1,	<del>-</del>	1.
	1.26200	1.27179	1.20541	-	 	•	AVRG	 	1.24417  -  -		2.39270
4 Phenol~d5	1 +++++	•	•	•	1.39565	•	•	· .	1 1 246061		1
	1.37844	1.36220	1.26333	। 	 	l 	AVRG		1.34696  -  -	<del>-</del>	3.43198 
19 Nitrobenzene-d5	.+++++   0.33018	•	•	•	0.33009	•	l IAVRG	<b>)</b>	1 0.326491		l   1,65092
					 		ļ	~	-		-
37 2-Flüorobiphenyl	+++++   1.32318	•	•	• • •	1.32853	•	  AVRG	 	1.31245		1.95090
							1	~ <del>-</del>	-  -		1
		1	I	1	1	l		I			·I

#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant_Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/
Cal Date : 18-Jan-2011 09:22

: HP RTE : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb

Compound	0.2000   Level 1	1     Level 2	2   Level 3	10 {	50 {   Level 5	80 ! Level 6	Curve		Coefficients m1	m2	%RSD   or R^2
•	   120   Level 7	   160	200		 			• •			[ 
57 2,4,6-Tribromophenol	+++++   0.14256		+++++	0.12937		0.13079	'			B 방원유부드 등 도 등 B	
70 Terphenyl-dl4	1 ++++	   +++++     0.81433	   +++++     0.76646	0.70193	   0.80660  		    AVRG	<del></del>	-     0.79244		i 6.4038

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#### GCAL, Inc.

#### INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24 End Cal Date : 12-JAN-2011 10:37

: ISTD Quant Method Target Version: 3.50 : HP RTE Integrator

: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m : 18-Jan-2011 09:22 dlb Method file

Cal Date

|Average %RSD Results. |Calculated Average %RSD = 8.19064 |Maximum Average %RSD = 15.00000 |* Passed Average %RSD Test.

								_
1 Cu	ırve	ı	Formu	la		( [†] t	Jnits .	١
===	***====	=   :		r		l =-		-
A	eraged	1	Amt =	Rsp	/m1	í	Response .	- 1
L	inear	Ī	Amt =	b +	Rsp/m1	l	Response	i
I Q	ıad	I	Amt =	b +	m1*Rsp + m2*Rsp^2	l	Response	1
I		١.				i_		_1

Data File: /var/chem/MSSV4.i/2110112.s.b/e7907.d

Report Date: 19-Jan-2011 16:27

GCAL, Inc.

#### RECOVERY REPORT

Client SDG: 2110112.s

Client Smp ID: STDICV

Fraction: SV

Operator: KCB

SampleType: LCS

Client Name: 42-7-10 Sample Matrix: LIQUID

Lab Smp Id: 1600

Level: LOW

Data Type: MS DATA

SpikeList File: icv70.spk

Quant Type: ISTD Sublist File: SA8270.sub Method File: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m

Misc Info: STDICV*MSSV~7006~*

		CONC	CONC	8	1
SPIKE	COMPOUND	ADDED	RECOVERED	RECOVERED	LIMITS
		ug/L	l ug/L	1	1
·1	n-Nitrosodimethylamine	50.0	48.1	96.23	70-130
2	Pyridine	50.0	43.8	87.62	70-130
6	Phenol +	50.0	51.2	102.35	170-130
5	Aniline	50.0	46.5	93.00	70-130
7	bis(-2-Chloroethyl)Ether	50.0	1 48.2	96.50	170-130
8	2-Chlorophenol	50.0	50.1	100.21	170-130
. 9	1,3-Dichlorobenzene	50.0	49.3	98.65	70-130
11	1,4-Dichlorobenzene +	50.0	49.1	98.13	170-130
13	1,2-Dichlorobenzene	50.0	48.2	96.41	170-130
12	Benzyl alcohol	50.0	49.0	98.02	70-130
15	2-Methylphenol	50.0	51.0	102.02	170-130
14	Bis(2-chloroisopropyl)ether	50.0	49.8	99.54	170-130
17	3- & 4-Methylphenol	50.0	52.2	104.39	70-130
16	N-Nitroso-di-n-propylamine++	50.0	51.7	103.42	170-130
18	Hexachloroethane	50.0	47.6	95.24	170-130
20	Nitrobenzene	50.0	50.1	100.16	70-130
21	Isophorone	50.0	51.7	103.31	70-130
22	2-Nitrophenol + .	50.0	50.3	100.63	70-130
23	2,4-Dimethyphenol	50.0	•	104.12	170-130
25	Benzoic Acid	50.0	53.4	106.87	170-130
24	bis(-2-Chloroethoxy)methane	50.0	50.1	100.23	170-130
26	2,4-Dichlorophenol +	50.0	50.0	99.99	170-130
27	1,2,4-Trichlorobenzene	50.0	49.5	98.96	170-130
29	Naphthalene	50.0	49.6	99.18	170-130
30	4-Chloroaniline	50.0	55.0	110.01	70-130
31	Hexachlorobutadiene +	50.0		•	170-130
32	4-Chloro-3-Methylphenol +	50.0	52.1	104.12	170-130
33	2-Methylnaphthalene	50.0	49.7	99.40	170-130
	Hexachlorocyclopentadiene ++	50.0			170-130
	2,4,6-Trichlorophenol +	50.0			70-130
36	2,4,5-Trichlorphenol	50.0	51.6	103.22	170-130
38	2-Chloronaphthalene	50.0	50.4	100.88	70-130
39	2-Nitroaniline	50.0	51.2	102.39	170-130
				1 ·	1

Data File: /var/chem/MSSV4.i/2110112.s.b/e7907.d Report Date: 19-Jan-2011 16:27

	3 · · · ·	CONC	CONC	<b>8</b>	1
SPIKE	COMPOUND	ADDED	RECOVERED	RECOVERED	LIMITS
	, , , , , , , , , , , , , , , , , , ,	ug/L	ug/L	1	
40	Dimethylphthalate	50.0	51.2	102.46	70-130
	2,6-Dinitrotoluene	50.0	52.9	105.77	170-130
	Acenaphthylene	50.0	49.8	99.63	70-130
	3-Nitroaniline	50.0 1	55.6	111.26	170-130
45	Acenaphthene +	50.0	50.0	99.92	170-130
46	2,4-Dinitrophenol ++	50.0	57.0	113.92	70-130
	4-Nitrophenol ++	50.0	53.0	105.93	170-130
	2,4-Dinitrotoluene	50.0	54.6	109.18	170-130
	Dibenzofuran	50.0	50.5		70-130
50	Diethylphthalate	50.0	54.6		j70-130
	Fluorene	50.0	52.0		170-130
	4-Chlorophenyl-phenylether	50.0	50.6	101.27	
	N-nitrosodiphenylamine (1)+	50.0	50.2	100.35	
	4-Nitroaniline	50.0	54.9	109.75	
	4,6-Dinitro-o-cresol	50.0	49.9	99.74	70-130
	Azobenzene	50.0	50.7	101.44	
	4-Bromophenyl-phenylether	50.0	49.8		170-130
	Hexachlorobenzene	50.0	48.9		170-130
	Pentachlorophenol +	50.0	. 50.5	100.95	
	Phenanthrene	50.0	51.0	102.08	
	Anthracene	50.0	52.5	105.08	
	Di-n-butylphthalate	50.0		109.32	
	Fluoranthene +	50.0	54.6	109.25	
	Pyrene	50.0	49.7		170-130
	Butylbenzylphthalate	50.0	45.8		170-130
	3,3'-Dichlorobenzidine	50.0	50.2		•
	Benzo(a) anthracene	50.0	47.6		170-130
	Chrysene	50.0	50.1		•
	bis(2-Ethylhexyl)phthalate	50.0	45.1	'	170-130
	Di-n-octylphthalate +	50.0	46.4		170-130
	Benzo (b) fluoranthene	50.0	44.5		170-130
	Benzo(k) fluoranthene	50.0	52.1		
	Benzo(a)pyrene +	50.0	51.6	103,23	•
	Indeno(1,2,3-cd)pyrene	50.0	44.9		70-130
	Dibenzo (a, h) anthracene	50.0			170-130
	Benzo(g,h,i)perylene	50.0	45.5		170-130
	Benzaldehyde	50.0	52.7		
	Caprolactam	50.0	55.9	111.87	
	Biphenyl	50.0	50.5	100.92	
	Atrazine	50.0	58.7	117.39	
		.11			l

   SURROGATE COMPOUND 	•	CONG	ED	CONC RECOVERED ug/L	)	% RECOVERED	
\$ 3 2-Fluorophenol		.    	100	48.	l. 9   l	48.86	10-120

Data File: /var/chem/MSSV4.i/2110114.s.b/e7972.d

Report Date: 14-Jan-2011 14:27

GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i Injection Date: 14-JAN-2011 14:42

Init. Cal. Date(s): 27-DEC-2010
Init. Cal. Times: 10:24 Lab File ID: e7972.d 12-JAN-2011

Analysis Type: WATER 10:37

Init. Cal. Times:
Quant Type: ISTD Lab Sample ID: 1400 Method: /var/chem/MSSV4.i/2110114.s.b/8270CE_04.m

COMPOUND	RR		DDEC '	DDDE 4	nro		/ Ann	IAD / ADDITOR	LOUDIN
	===== ==	F / AMOUNT  ====== ==	RF50			1 1		%D / %DRIFT	•
Pyridine	i	1.28278	1.31308	1.31308		1	2.36202	•	
n-Nitrosodimethylamine	1	0.666921	0.67946	0.67946	0.050	1 ;	1.87909	30.00000	Averaged
3 2-Fluorophenol	ı	1.24417	1.243681	1.24368	0.050	1-	-0.03921	30.00000	Averaged
4 Phenol-d5	1	1.34696	1.31389	1.31389	0.050	ı	-2.45556	30.00000	Averaged
Aniline	1	42.21521	50.000001	1.26716	0.050	1 .	-15.56958	30.00000	Quadratio
Phenol +	i	1.53925	1.53319	1.53319	0.050	L,	-0.39389	20.00000	Averaged
bis(-2-Chloroethyl)Ether	1	0.75300	0.749261	0.74926	0.050	ı .	-0.49690	30.00000	Average
2-Chlorophenol	ı	1.33996	1.33870]	1.33870	0.050	L	-0.09354	30.00000	Average
1,3-Dichlorobenzene	1	1.467021	1.46662	1.46662	0.050	1 :	-0.02788	30.00000	Average
1 1,4-Dichlorobenzene +	t	1.49696	1.50940	1.50940	0.050	ı,	0.83095	20.00000	Average
2 Benzyl alcohol	1	0.69098}	0.653031	0.65303	0.050	1	-5.49227	30.00000	Average
3 1,2-Dichlorobenzene	j	1.41528	1.38279	1.38279	0.050	1	-2.29562	30.00000	Average
5 2-Methylphenol	1	1.08588	1.07753	1.07753	0.050	1	-0.76874	30.00000	Average
4 Bis(2-chloroisopropyl)ether	1	1.38786	1.355991	1.35599	0.050	l	-2.29629	30.00000	Average
7 3- & 4-Methylphenol	ı	1.09705	1.08427	1.08427	0.050	١.	-1.16480	30.00000	Average
6 N-Nitroso-di-n-propylamine+		0.709661	0.668331	0.66833	0.050	I	-5.82331	30.00000	Average
8 Hexachloroethane	ı	0.545541	0.539461	0.53946	0.050	Ι.	-1.11445	30.0000	Average
19 Nitrobenzene-d5	ı	0.326491	0.320251	0.32025	0.050	Ι.	-1.91013	30.00000	Average
0 Nitrobenzene	ı	0.311201	0.30578	0.30578	0.050	ı .	-1.74375	30.00000	Average
1 Isophorone	. 1	0.496381	0.47889)	0.47889	0.050	L	-3.52475	30.00000	Average
2 2-Nitrophenol +	ì	0.20104	0.199111	0.19911	0.050	ιĴ	-0.96220	20.00000	Average
3 2,4-Dimethyphenol	ı	0.337641	0.34177}	0.34177	0.050	I	1.22415	30.0000	Average
4 bis(-2-Chloroethoxy)methane	1	0.34215	0.331771	0.33177	0.050	١.	-3.03349	30.00000	Average
5 Benzoic Acid	1	0.163101	0.128531	0.12853	0.050	٠ .	-21.19961	30.00000	Average
6 2,4-Dichlorophenol +	1	0.298361	0.294881	0.29488	0.050	j	-1.16701	20.00000	Average
7 1,2,4-Trichlorobenzene	i	0.31960]	0.324341	0.32434	0.050	ı	1.48143	30.00000	Average
9 Naphthalene	. 1	0.949181	0.942031	0.94203	0.050	ı	-0.75408	30.00000	Average
0 4-Chloroaniline	· 1	0.348641	0.34439	0.34439	0.050	١,	-1.21966	30.0000	Average
1 Hexachlorobutadiene +	1	0.18815	0.18935	0.18935	0.050	r i	0.63943	20.00000	
2 4~Chloro-3-Methylphenol +	ı	0.26619	0.24202	0.24202	0.050	ı :	-9.07804	20.00000	Average
3 2-Methylnaphthalene	ı	0.64925	0.61121	0.61121	0.050	1	-5.85909	30.00000	Average
45 1-Methylnapthalene	i	0.59047	0.55555!	0.55555	0.050	ıΪ	-5.91479	30.00000	Average
4 Hexachlorocyclopentadiene +		0.31922	0.394931	0.39493	0.050	11	23.71891	30.00000	Average
5 2,4,6-Trichlorophenol +	ı	49.13391)	50.000001	0.41999	0.050		-1.73218	20.00000	Linea
6 2,4,5-Trichlorphenol	'n	0.41250	0.42581	0.42581	0.050		3.226401	30.00000	Average
37 2-Fluorobiphenyl	ı	1.31245	1.36347	1.36347	0.050	l	3.88741	30.00000	_

Data File: /var/chem/MSSV4.i/2110114.s.b/e7972.d

Report Date: 14-Jan-2011 14:27

#### GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Injection Date: 14-JAN-2011 14:42 Instrument ID: MSSV4.i

Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011 Lab File ID: e7972.d

Init. Cal. Times:
Quant Type: ISTD 10:37 10:24

Analysis Type: WATER Lab Sample ID: 1400 Method: /var/chem/MSSV4.i/2110114.s.b/8270CE_04.m

	I	1	1	CCAL   MIN	1	MAX	1
COMPOUND	•	/ AMOUNT	RF50	,	%D / %DRIFT %!		
38 2-Chloronaphthalene		1.14504	1.19007	1.19007 0.05		30.000001	
39 2-Nitroaniline	,	0.41051	0.397371	0.39737 0.05		30.000001	•
40 Dimethylphthalate	' '	1.22039	1.205181	1.20518 0.05		30.000001	•
41 2,6-Dinitrotoluene	1	0.262381	0.259421	0.25942 0.05		30.000001	
42 Acenaphthylene	1	1.56191	1.55665)	1.55665 0.05	*	30.000001	•
43 3-Nitroaniline	,	0.316261	0.30520]	0.30520 0.05		30.000001	
45 Acenaphthene +	}	1.06196}	1.04291	1.04291/0.05	•	20.000001	_
46 2,4-Dinitrophenol ++	•	46.077571	50.000001	0.15430(0.05			Quadratic
49 4-Nitrophenol ++	,	0.16921	0.154001	0.15400 0.05	•	30.000001	
47 Dibenzofuran	<u>'</u>	1.53557	1.54681	1.54681 0.05	•	30.000001	-
48 2,4-Dinitrotoluene	,	0.344251	0.34107	0.34107 0.05		30.000001	-
50 Diethylphthalate	i	1.081631	1.071561	1.07156 0.05	• •	30.000001	-
52 4-Chlorophenyl-phenylether	ŀ	0.558301	0.536531	0.53653 0.05		30.000001	-
51 Fluorene	1	1.13875	1.145131	1.1451310.05		30.000001	
53 4-Nitroaniline	; }	0.304971	0.300511	0.3005110.05	•	30.000001	
54 4,6-Dinitro-o-cresol		46.812791	50.000001	0.14369 0.05	•	30.000001	•
55 N-nitrosodiphenylamine (1)+	i	0.54663	0.547601	0.54760 0.05		20.000001	Averaged
56 Azobenzene	1	0.751251	0.78301	0.7830110.05		30.000001	Averaged
\$ 57 2,4,6-Tribromophenol	, I	0.13394	0.12812	0.12812 0.05		30.000001	
58 4-Bromophenyl-phenylether	1	0.20383	0.20553	0.20553 0.05			Averaged
59 Hexachlorobenzene		0.21085	0.203331	0.2042510.05		30.000001	Averaged
60 Pentachlorophenol +		45.91550	50.000001	0.14035 0.05		20.000001	Linear
62 Phenanthrene	i i	1.068761	1.02833)	1.0283310.05	•	30.000001	Averaged
63 Anthracene	1	1.042481	1.056001	1.05600 0.05		30.000001	Averaged
64 Carbazole		0.98112	0.998911	0.99891 0.05		30.000001	Averaged
65 Di-n-butylphthalate	, i	1.072931	1.078441	1.07844 0.05		30.000001	Averaged
67 Fluoranthene +	'	0.946681	0.987451	0.9874510.05		20.000001	Averaged
68 Benzidine	1	0.11461)	0.087361	0.0873610.05		30.000001	Averaged
69 Pyrene	1	1.23232	1.430751	1.43075[0.05		30.000001	Averaged
\$ 70 Terphenyl-d14	I	0.792441	0.870541	0.8705410.05		30.000001	=
71 Butylbenzylphthalate	l I	49.316721	50.000001	0.58774 0.05		30.000001	Linear
73 3,3'-Dichlorobenzidine	•	48.81923	50.000001	0.3500810.05	•	30.000001	Linear
72 Benzo (a) anthracene	i I	1.11425	1.056741	1.05674 0.05		30.000001	Averaged
76 bis(2-Ethylhexyl)phthalate	•	44.936081	50.000001	0.67478[0.05	•	30.000001	Linear
75 Chrysene		1.20225	1.23900	1.23900;0.05		30.000001	Averaged
, our juene	,	1.20223	1.239001	1.23300,0.03	. 5.050051		veraged!

Data File: /var/chem/MSSV4.i/2110114.s.b/e7972.d

Report Date: 14-Jan-2011 14:27

GCAL, Inc.

# CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i

Injection Date: 14-JAN-2011 14:42

10:24

Lab File ID: e7972.d

Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011

Page 3

Analysis Type: WATER Lab Sample ID: 1400

10:37

Init. Cal. Times: Quant Type: ISTD

Method: /var/chem/MSSV4.i/2110114.s.b/8270CE_04.m

RRF	/ AMOUNT								
	,	RF50	RRF50	RRF	<b>%</b> D /	%DRIFT	%D / %DRI	FT CURVE 1	TYPE
	:========   =	=======================================					=======	.ee	====
1	42.88036	50.000001	0.87516	10.050	-1	4.23928	20.000	000  Lir	near
1	44.32577	50.000001	0.98031	10.050	-1	1.34847	30.000	000  Quadra	atic
ŀ	1.35899	1.477561	1.47756	510.050	F i	8.72497	30.000	00  Avera	aged
ı	1.039891	1.05500	1.05500	10.050	l ,	1.45288	20.000	00) Avera	aged
1	40.88510	50.000001	0.91903	310.050		8.22980	30.000	000 Lir	near
1.	43.84797	50.00000)	0.87180	10.050	-1	2.30406	30.000	00  Lir	near
1	46.33714	50.000001	1.07212	10.050	, · -	7.32572	30.000	00  ~Lir	nearl
ı	1.09146	1.08090	1.08090	0.050		0.96778	30.000	000  Avera	aged
1	1.30490	1.268431	1.26843	310.050	-	2.79451	30.000	00  Avera	agedi
1	51.78637	50.000001	0.37987	10.050	l .	3.57275	30.000	00  Quadra	atic
1	0.07027	0.060031	0.06003	310.050	-1	4.57457	30.000	00  Avera	aged
٠,	0.71458	0.66136	0.66136	10.050	- ا	7.44768	30.000	00  Avera	aged!
i	0.11879	0.13083	0.13083	10.050	1 1	0.12892	30.000	00  Avera	agedi
1	51.22342	50.000001	0.45777	10.050	L)	2.44685	30.000	00  Lir	nearl
		44.32577    1.35899    1.03989    40.88510    43.84797    46.33714    1.09146    1.30490    51.78637    0.07027    0.71458    0.11879	44.32577  50.00000    1.35899  1.47756    1.03989  1.05500    40.88510  50.00000    43.84797  50.00000    46.33714  50.00000    1.09146  1.08090    1.30490  1.26843    51.78637  50.00000    0.07027  0.06003    0.71458  0.66136    0.11879  0.13083	44.32577  50.00000  0.98031   1.35899  1.47756  1.47756    1.03989  1.05500  1.05500    40.88510  50.00000  0.91903   43.84797  50.00000  0.87180   46.33714  50.00000  1.07212   1.09146  1.08090  1.08090   1.30490  1.26843  1.26843   51.78637  50.00000  0.37987   0.07027  0.06003  0.06003   0.71458  0.66136  0.66136	44.32577  50.00000  0.98031 0.050   1.35899  1.47756  1.47756 0.050   1.03989  1.05500  1.05500 0.050   40.88510  50.00000  0.91903 0.050   43.84797  50.00000  0.87180 0.050   46.33714  50.00000  1.07212 0.050   1.09146  1.08090  1.08090 0.050   1.30490  1.26843  1.26843 0.050   51.78637  50.00000  0.37987 0.050   0.07027  0.06003  0.06003 0.050   0.71458  0.66136  0.66136 0.050   0.11879  0.13083  0.13083 0.050	44.32577  50.00000  0.98031 0.050  -1     1.35899  1.47756  1.47756 0.050      1.03989  1.05500  1.05500 0.050      40.88510  50.00000  0.91903 0.050  -1     43.84797  50.00000  1.07212 0.050  -1     46.33714  50.00000  1.07212 0.050  -1     1.09146  1.08090  1.08090 0.050  -1     1.30490  1.26843  1.26843 0.050  -1     51.78637  50.00000  0.37987 0.050      0.07027  0.06003  0.06003 0.050  -1     0.71458  0.66136  0.66136 0.050  -1     0.11879  0.13083  0.13083 0.050  1	44.32577  50.00000  0.98031 0.050  -11.34847   1.35899  1.47756  1.47756 0.050  8.72497   1.03989  1.05500  1.05500 0.050  1.45288   40.88510  50.00000  0.91903 0.050  -18.22980   43.84797  50.00000  0.87180 0.050  -12.30406    46.33714  50.00000  1.07212 0.050  -7.32572    1.09146  1.08090  1.08090 0.050  -0.96778    1.30490  1.26843  1.26843 0.050  -2.79451    51.78637  50.00000  0.37987 0.050  3.57275    0.07027  0.06003  0.06003 0.050  -14.57457    0.71458  0.66136  0.66136 0.050  -7.44768    0.11879  0.13083  0.13083 0.050  10.12892	44.32577  50.00000  0.98031 0.050  -11.34847  30.000   1.35899  1.47756  1.47756 0.050  8.72497  30.000   1.03989  1.05500  1.05500 0.050  1.45288  20.000   40.88510  50.00000  0.91903 0.050  -18.22980  30.000   43.84797  50.00000  0.87180 0.050  -12.30406  30.000   46.33714  50.00000  1.07212 0.050  -7.32572  30.000   1.09146  1.08090  1.08090 0.050  -0.96778  30.000   1.30490  1.26843  1.26843 0.050  -2.79451  30.000   51.78637  50.00000  0.37987 0.050  3.57275  30.000   0.07027  0.06003  0.06003 0.050  -14.57457  30.000   0.71458  0.66136  0.66136 0.050  -7.44768  30.000	44.32577  50.00000  0.98031 0.050  -11.34847  30.00000  Quadra   1.35899  1.47756  1.47756 0.050  8.72497  30.00000  Avera   1.03989  1.05500  1.05500 0.050  1.45288  20.00000  Avera   40.88510  50.00000  0.91903 0.050  -18.22980  30.00000  Lir   43.84797  50.00000  0.87180 0.050  -12.30406  30.00000  Lir   46.33714  50.00000  1.07212 0.050  -7.32572  30.00000  Lir   1.09146  1.08090  1.08090 0.050  -0.96778  30.00000  Avera   1.30490  1.26843  1.26843 0.050  -2.79451  30.00000  Avera   51.78637  50.00000  0.37987 0.050  3.57275  30.00000  Avera   0.07027  0.06003  0.06003 0.050  -14.57457  30.00000  Avera   0.71458  0.66136  0.66136 0.050  -7.44768  30.00000  Avera

Average %D / Drift Results.	
Calculated Average %D/Drift =	- 4.73174
Maximum Average %D/Drift =	= 30.00000
* Passed Average %D/Drift Tes	st.

Data File: /var/chem/MSSV4.i/2110117.s.b/e8008.d

Report Date: 17-Jan-2011 14:21

#### GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Injection Date: 17-JAN-2011 08:38 Instrument ID: MSSV4.i

Lab File ID: e8008.d

Analysis Type: WATER

Lab Sample ID: 1400 Quant Type: ISTD Method: /var/chem/MSSV4.i/2110117.s.b/8270CE_04.m

1	II	1	CCAL   MIN	i	MAX
COMPOUND	RRF / AMOUNT	RF50	RRF50   RRF	%D / %DRIFT %I	/ %DRIFT CURVE TYP
[2 Pyridine	1.28278	1.443191	1.44319 0.050		30.00000  Average
1 n-Nitrosodimethylamine	0.666921	0.673831	0.67383[0.050]	1.03516	30.00000  Average
\$ 3 2-Fluorophenol	1.24417	1.27244	1.27244 0.050	2.27246	30.00000  Average
\$ 4 Phenol-d5	1.34696	1.34552	1.34552 0.050	-0.10666	30.00000  Average
5 Aniline	41.51068	50.000001	1.25562[0.050]	-16.97863	30.00000  Quadrati
6 Phenol +	1.539251	1.56060)	1.56060 0.050	1.38687	20.00000  Average
7 bis(-2-Chloroethyl)Ether	0.75300	0.776441	0.77644 0.050	3.11301	30.00000  Average
18 2-Chlorophenol	1.33996)	1.38542}	1.38542[0.050]	3.392891	30.00000  Average
19 1,3-Dichlorobenzene	1.46702	1.50131	1.50131 0.050	2.33713	30.00000  Average
11 1,4-Dichlorobenzene +	1.49696	1.51178	1.51178 0.050	0.99005	20.00000  Average
12 Benzyl alcohol	1 0.690981	0.667391	0.6673910.0501	-3.41529	30.00000  Average
13 1,2-Dichlorobenzene	1.41528	1.40542	1.40542 0.050	-0.696931	30.00000  Average
15 2-Methylphenol	1.08588	1.06532	1.06532 0.050	-1.89318	30.00000  Average
14 Bis(2-chloroisopropyl)ether	1.38786	1.393391	1.39339 0.050	0.39853	30.00000  Average
17 3- & 4-Methylphenol	1.09705	1.086521	1.08652 0.050	-0.960321	30.00000  Average
16 N-Nitroso-di-n-propylamine+	0.709661	0.665521	0.66552 0.050	-6.21964	30.000001 Average
18 Hexachloroethane	0.54554	0.552161	0.55216 0.050	1.21323	30.00000  Äverage
\$ 19 Nitrobenzene-d5	0.326491	0.32814)	0.32814 0.050	0.50548	30.00000  Average
20 Nitrobenzene	0.31120	0.31166	0.31166 0.050	0.14619	30.00000  Average
21 Isophorone	0.496381	0.485881	0.48588 0.050	-2.11640	30.00000  Average
22 2-Nitrophenol +	0.201041	0.209961	0.20996 0.050	4.436051	20.00000  Average
23 2,4-Dimethyphenol	0.33764	0.34655	0.34655 0.050	2.640371	30.00000  Average
124 bis(-2-Chloroethoxy)methane	0.34215	0.33456	0.33456 0.050	-2.21678	30.00000  Average
25 Benzoic Acid	0.16310	0.129891	0.12989[0.050]	-20.363671	30.00000  Average
126 2,4-Dichlorophenol +	0.298361	0.28972	0.28972 0.050	-2.895641	20.00000  Average
127 1,2,4-Trichlorobenzene	0.31960	0.31729	0.31729 0.050	-0.72243	30.00000  Average
[29 Naphthalene	0.949181	0.93108	0.93108 0.050	-1.90722	30.00000  Average
30 4-Chloroaniline	0.34864	0.344431	0.34443 0.050	-1.20617	30.00000  Average
31 Hexachlorobutadiene +	0.18815	0.18602	0.18602[0.050]	-1.128731	20.00000  Average
32 4-Chloro-3-Methylphenol +	0.266191	0.250971	0.25097[0.050]	-5.71642	20.00000  Average
133 2-Methylnaphthalene	0.649251	0:609251	0.60925 0.050	-6.16101	30.00000  Average
145 1-Methylnapthalene	0.590471	0.56084)	0.5608410.0501	-5.01803)	30.00000) Average
34 Hexachlorocyclopentadiene +	0.319221	0.397881	0.39788 0.050	24.64415	30.00000  Average
35 2,4,6-Trichlorophenol +	49.070521	50.000001	0.41943[0.050]	-1.85896	20.00000  Linea:
136 2,4,5-Trichlorphenol	0.41250	0.44390	0.44390 0.050	•	30.00000  Average
\$ 37 2-Fluorobiphenyl	1.312451	1.357491	1.35749 0.050	3.43117	30.00000  Average
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Data File: /var/chem/MSSV4.i/2110117.s.b/e8008.d

Report Date: 17-Jan-2011 14:21

GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Injection Date: 17-JAN-2011 08:38 Instrument ID: MSSV4.i

Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Init. Cal. Times: 10:24 10:37
Quant Type: ISTD Lab File ID: e8008.d

Analysis Type: WATER

Lab Sample ID: 1400 Method: /var/chem/MSSV4.i/2110117.s.b/8270CE_04.m

1	. I I	1	CCAL   MIN	i , i	MAX	1
COMPOUND	[RRF / AMOUNT]	RF50	RRF50   RRF	%D / %DRIFT %D	•	•
38 2-Chloronaphthalene	1.14504	1.19855(	1.19855(0.050)		•	Averaged
39 2-Nitroaniline	0.41051	0.41886	0.41886 0.050	2.033391	30.000001	Averaged
40 Dimethylphthalate	1.22039	1.16389	1.16389 0.050	-4.629321	30.000001	Averaged
41 2,6-Dinitrotoluene	0.262381	0.257931	0.25793 0.050	-1.69861	30.00000;	Averaged
42 Acenaphthylene	1.561911	1.54903	1.54903 0.050	-0.824491	30.000001	Averaged
43 3-Nitroaniline	0.31626	0.29927	0.29927]0.050]	-5.370391	30.000001	Averaged
45 Acenaphthene +	1.06196	1.06652	1.06652 0.050	0.429461	20.000001	Averagedi
46 2,4-Dinitrophenol ++	46.74133	50.000001	0.15678 0.050	-6.51734	30.000001	Quadratic
49 4-Nitrophenol ++	0.16921	0.14069	0.14069 0.050	-16.856131	30.000001	Averaged
47 Dibenzofuran	1.53557	1.50893	1.50893 0.050	-1.73445	30.000001	Averaged
48 2,4-Dinitrotoluene	0.34425	0.31592	0.31592 0.050	-8.228901	30.000001	Averaged
50 Diethylphthalate	1.081631	1.06226	1.0622610.0501	-1.79050]	30.000001	Averaged
52 4-Chlorophenyl-phenylether	0.558301	0.53569	0.53569[0.050]	-4.05114	30.000001	Averaged
51 Fluorene	1.13875	1.13014	1.13014 0.050	-0.75676	30.000001	Averaged
53 4-Nitroaniline	0.304971	0.27225	0.27225 0.050	-10.73153	30.000001	Averaged)
54 4,6-Dinitro-o-cresol	45.283551	50.000001	0.13840 0.050	-9.43291	30.000001	Linear
55 N-nitrosodiphenylamine (1)+	0.546631	0.588691	0.58869 0.050	7.69565	20.000001	Averaged
56 Azobenzene	0.75125	0.828991	0.82899 0.050	10.34882	30.000001	Averaged
\$ 57 2,4,6-Tribromophenol	0.133941	0.12105]	0.12105 0.050	-9.625021	30.000001	Averaged
58 4-Bromophenyl-phenylether	0.203831	0.21686	0.21686 0.050	6.395211	30.000001	Averaged
59 Hexachlorobenzene	0.21085	0.20501	0.20501 0.050	2.76776]	30.000001	Averaged!
60 Pentachlorophenol +	46.518361	50.00000	0.14239 0.050	-6.963281	20.000001	Linear
162 Phenanthrene	1.06876	1.11894	1.11894 0.050	4.69509	30.000001	Averaged
163 Anthracene	1.042481	1.07636	1.07636 0.050	3.249851	30.000001	Averaged
64 Carbazole	0.98112	0.93334	0.93334 0.050	-4.86993	30.000001	Averaged
65 Di-n-butylphthalate	1.072931	1.07783	1.07783 0.050	0.456961	30.000001	Averaged!
67 Fluoranthene +	0.946681	0.864931	0.8649310.0501	-8.636121	20.000001	Averaged
68 Benzidine	0.11461	0.06446	0.0644610.0501	-43.762941	30.000001	Averaged <-
69 Pyrene	1.232321	1.56145	1.56145 0.050	26.70862	30.000001	Averaged
\$ 70 Terphenyl-d14	0.792441	0.92944	0.92944 0.050	17.288491	30.000001	Averaged
71 Butylbenzylphthalate	1 52.993821	50.000001	0.63290 0.050	5.987641	30.000001	Linear
173 3,3'-Dichlorobenzidine	50.46831	50.00000	0.36214 0.050	0.936631	30.000001	Linear
72 Benzo(a)anthracene	1.11425	1.11067	1.11067 0.050	-0.322031	30.000001	Averaged
76 bis(2-Ethylhexyl)phthalate	50.84391	50.000001	0.76788 0.050	1.68781	30.000001	Linear
175 Chrysene	1 1.202251	1.18525	1.18525 0.050	-1.41444	30.000001	Averaged
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Data File: /var/chem/MSSV4.i/2110117.s.b/e8008.d

Report Date: 17-Jan-2011 14:21

GCAL, Inc.

#### CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i

Injection Date: 17-JAN-2011 08:38

Lab File ID: e8008.d

Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011

Page 3

10:37

Analysis Type: WATER

Init. Cal. Times: 10:24

Lab Sample ID: 1400 Quant Type: ISTD

Method; /var/chem/MSSV4.i/2110117.s.b/8270CE_04.m

	li .				<del></del>	
1		11	1	CCAL   MIN !	. 1	MAX }
I COMPOUND		RRF / AMOUNT	RF50	RRF50   RRF	D / %DRIFT %D	/ %DRIFT CURVE TYPE
		=   =========				=======================================
77 Di-n-octylphthalate +		50.34193	50.00000	1.07169 0.050	0.683851	20.00000) Linear
78 Benzo(b) fluoranthene		1 47.694991	50.000001	1.06153[0.050]	-4.61002	30.00000  Quadratic
79 Benzo(k) fluoranthene		1.35899	1.47917	1.47917 0.050	8.842751	30.00000  Averaged
80 Benzo(a)pyrene +		1.039891	1.076341	1.07634 0.050	3.50563	20.00000  Averaged!
182 Indeno(1,2,3-cd)pyrene	ļ	41.00736	50.00000	0.92212 0.050	-17.98528	30.00000  Linear
183 Dibenzo(a,h)anthracene	•	43.232541	50.000001	0.85819[0.050]	-13.534931	30.00000  Linear!
84 Benzo(g,h,i)perylene		41.79220	50.000001	0.95800[0.050]	-16.41561	30.00000  Linear!
M 66 Total Methylphenol	1	1.09146	1.07592	1.07592 0.050	-1.42436	30.00000  Averaged
91 Acetophenone	II.	1.30490	1.25351	1.25351(0.050)	-3.93798	30.00000  Averaged
1155 Benzaldehyde		36.413621	50.00000	0.30293 0.050	-27.17276	30.00000  Quadratic!
156 Caprolactam		0.070271	0.062241	0.06224 0.050	-11.42854	30.00000  Averaged)
1157 Biphenyl	:	0.71458	0.65745	0.65745 0.050	-7.99447	30.00000  Averaged
158 Atrazine	1	0.11879	0.12838	0.12838[0.050]	8.068881	30.00000  Averaged
174 1,4-Dioxane		[ 51.91553]	50.000001	0.46387 0.050	3.83105	30.00000  Linear
1					<u>  ·</u>	

Average %D / Drift Results.	I
======================================	
Calculated Average %D/Drift =	6.19585
Maximun Average %D/Drift =	30.00000 j
<pre> * Passed Average %D/Drift Test.</pre>	1
I	· <u>.</u>

# 8B SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL			Cont	ract	· ·	·····					
Lab Code: LA024 Case No.:			SAS	No.	:	<u>.</u> S	DG	No.: 2110	11405	<del></del>	
Lab File ID ( Standard ): 2110114/e7972		Date Analyzed: 01/14/11 Time: 1442							42		
Instrument ID: MSSV4			GC (	Colu	mn: RTX-5N	1S-30		ID: <u>.25</u> (mm)			
Analytical Batch: 448983		Method: SW-846 8270									
	. [	1			IS 2		IS 3				
	Area		_{RT}	RT		RT	Area		RT	RT ···	
STANDARD	413290		3.16	7	193833	4.23		282310	5.14		
EPA Sample No.		#		#	* #	:	#	#	ŧ	#	
1 . MB912529	390492	$\dot{\Box}$	3.16	П	194040	4.23		265019	5.14	T	
2 . T-15-F MSD	430512		3.16	П	217830	4.23	П	297327	5.14		
3 . T-21-F	426254		3.16	П	190897	4.23		239002	5.14		
4 . NC-0-0.3	374183		3.16	П	169222	4.23		230571	5.14		
5 T-2-WEST	402967		3.16	П	186153	4.23		242141	5.14		
6 . T-6-FLOOR	426534		3.16	П	186213	4.23		243305	5.14		
7. T-6-EAST	431891		3.16		196907	4.23		261558	5.14	T	
8 . T-6-SOUTH	413858		3.16		197126	4.23		260879	5.14	Т	
9 . T-6-NORTH	410268		3.16		192810	4.23		252106	5.14		
0 . BLIND DUP	432228		3.16		194772	4.23		255574	5.14	$\mathbf{I}$	
1 . SC-W	333542		3.16		150529	4.23		212227	5.14	T	
2 LCS912530	350297		3.16		166774	4.23		232945	5.14		
3 . SC-E	447213		3.16		215381	4.23	•	287272	5.14	$\mathbf{I}_{-}$	
4 . LCSD912531	372481		3.16		178672	4.23		254533	5.14		
5 . EQUIPMENT BLANK	281450		3.16′		137066	4.23		202373	5.14		
6 . MB912490	354388		3.16		180114	4.23		253895	5.14		
7 . LCS912491	343667		3.16		169127	4.23		235722	5.14		
8 . LCSD912492	484846		3.16		232203	4.23		298478	5.14	$\perp$	
9 . T-15-F	434600		3.16		222302	4.23		318057	5.14		
0 . T-15-F MS	355249		3.16	П	162522	4.23		219100	5.14		

IS 1 ID: Naphthalene-d8
IS 2 ID: Acenaphthene-d10
IS 3 ID: Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREALOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag internal standard values with an asterisk.

^{*} Values outside of QC limits.

# 8B SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:		<del></del>	-	Contract	t:		<del></del>	
Lab Code:	Case No.:		•	SAS No	.:	SD	OG No.:	
Lab File ID ( Standard ): 2	110114/e7972	<u></u>	-	Date An	alyzed: 0	1/14/11	Time: 144	42
Instrument ID: MSSV4	ĺ			GC Colu	ımn: RTX-	5MS-30	ID: .25	(mm)
				Method:	SW-846	8270		
· .		•						
	•		IS 4	:]		IS 5	[1.	S 6
·		Area		RT	Area	RT	Area	RT
STANDARD		157131		8.07	196359	6.95	120746	2.42
			#	# -	#	#	. #	# #
MB912529	·	110011	П	8.07	147738	6.95	109326	2.43
T-15-F MSD		160991	П	8.07	192516	6.95	125299	2.42
. T-21-F	<u> </u>	165633	П	8.08	160347	6.95	132632	2.43
. NC-0-0.3	Į.	243561	П	8.08	196972	6.96	116852	2.43
. T-2-WEST		195075		80.8	173021	6.95	118807	2.43
T-6-FLOOR		204739		8.08	182758	6.95	130748	2.43
. T-6-EAST		216971	П	8.07	185618	6.95	119937	2.43
. T-6-SOUTH	1	218837	П	8.08	203066	6.95	125574	2.43
. T-6-NORTH		208009	П	8.08	185357	6.95	121593	2.43
. BLIND DUP		218439		8.08	194026	6.95	124904	2.43
SC-W		236097	П	8.08	187200	6.96	107541	2.42
. LCS912530		126441	$\sqcap$	8.07	152802	6.96	104684	2.43
. SC-E		221458	$\sqcap$	8.08	209057	6.95	132651	2.43
. LCSD912531		133745	$\sqcap$	8.07	169957	6.95	106123	2.43
. EQUIPMENT BLANK		101197	$\sqcap$	8.07	128135	6.95	83106	2.42
. MB912490		144498	П	8.07	180527	6.95	101409	2.42
. LCS912491		146282	П	8.07	181324	6.96	100755	2.42
. LCSD912492		156083	$\sqcap$	8.07	205243	6.96	138205	2.43
T 45.5		400475	$\vdash$	0.07	407220	0.05	404400	242

6.96

105934

IS 4 ID: Perylene-d12 IS 5 ID: Chrysene-d12

20 . T-15-F MS

IS 6 ID: 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREALOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag internal standard values with an asterisk.

^{*} Values outside of QC limits.

# 8B SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL	· · · · · · · · · · · · · · · · · · ·	Contra	ct:		<del></del>	
Lab Code: LA024 Case No.:		SAS N	o.:	SD	G No.: 21101	1405
Lab File ID ( Standard ): 2110117/e8008		Date A	nalyzed: 01/1	7/11	Time: 0838	3
Instrument ID: MSSV4		GC Co	lumn: RTX-5M	S-30	ID: <u>.25</u>	(mm)
Analytical Batch: 449083		Method	: SW-846 827	0		·
	IS	1	IS 2	2	IS	3
	Area	RT	Area	RT	Area	RT
STANDARD	550303	3.17	257177	4.23	348019	5.14
EPA Sample No.	#	;	# #	·#	: #	. #
. T-21-F	391142	3.16	184711	4.23	249272	5.14

IS 1 ID: Naphthalene-d8
IS 2 ID: Acenaphthene-d10
IS 3 ID: Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREALOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

[#] Column used to flag internal standard values with an asterisk.

^{*} Values outside of QC limits.

#### \$88 SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:			Con	tract:				<del></del>
Lab Code:	Case No.:		SAS	No.:		SDC	€ No.:	
Lab File ID ( Standard ):	2110117/e8008		Date	Analyzed:	01/17/	11	Time: 08	38
Instrument ID: MSSV4		~	GC	Column: _I	RTX-5MS-	30	ID: <u>.25</u>	(mm)
		·	Metl	nod: SW	-846 8270			
	1		IS 4		IS 5			S 6
	<u> </u>	Area	RT	· A	rea	RT	Area	RT
STANDARD		163880	8.08	198	959	6.96	162920	2.43
	į	. 1	# .	#	#	#	;	# #
. T-21-F	r.	121766	8.08	1522	37	6.96	113225	2.43

IS 4 ID : Perylene-d12 IS 5 ID : Chrysene-d12

IS 6 ID: 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREALOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag internal standard values with an asterisk.

^{*} Values outside of QC limits.

# BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EX DA	TRACTION TE/TIME	ON :  -14-11	Sta	rt: <i>1030</i>	End	: 1403		BATC NO:	Н	448	916 6	8270C
MA	ATRIX:		WA	TER 🗌 SO	IL 🗹 OTI	HER 🗌		LEVE	L:	LQV	V 🗹 MEDI	JM 🗀 ML
G	LIENT	CLIENT II	D	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	BN pH		SAMF TYPE		COMMENTS	
1	QC ACCOUNT	MB for HBN 448 [EXTO/27518]	916	912490	30.1	1.0			МВ			LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 44 IEXTO/27518	8916	912491	302	1.0		1	LCS			
3	QC ACCOUNT	LCSD for HBN 448916 [EXTO/2	2751	912492	30.3	1-0			LCSD	)		SEPARATORY FUNNEL/3510
4	4482	T-15-F		21101140501	301	1-0		j	SAMF	LE	625_SPK	
5	4482	T-15-F MS		21101140502		1-0		1	MS		625_SPK	SONICATOR/3550
6	4482	T-15-F MSD		21101140503		1-0			MSD		625_SPK	1
7	4482	T-21-F		21101140504		1-0	<u> </u>				625_SPK	SOXHLET/3540
8	4482	NC-0-0.3		21101140505		1-0					625_SPK	GPC .
9	4482	T-2-WEST	·	21101140506		1-0	_	-		_	625_SPK	CLEANUP/3640
10 11	4482 4482	T-6-FLOOR T-6-EAST		21101140507 21101140508		1-0		i i			625_SPK 625_SPK	WASTE
12	4482	T-6-SOUTH		21101140508		1-0	-	1			625 SPK	DILUTION/3580
13	4482	T-6-NORTH		21101140510		1-0					625_SPK 、	TCLP EXTRACTION
14	4482	BLIND DUP		21101140511		1.0		3	FLDD	UP	625_SPK	FLUID 1
15	4482	sc-w		21101140512	30,0	LO			SAME	ìΕ	625_SPK	TCLP EXTRACTION
16	4482	SC-E		21101140513	30,2	1.0		4	SAMF	2LE	625_SPK	FLUID 2
17				21101140801	30 A	1-0						MECL2/Acetone
18								<u> </u>				
19							<u> </u>	1				ACETONE LOT
20							<u> </u>					NO: 105 786 MeCL2 Lot No:
21 22		<del> </del>										105359
23							┢					Sodium Sulfate
24												Lot No: 1/9
25								h				
26					,			•				
27												
28												· · · · · · · · · · · · · · · · · · ·

comments: sample preparation include determination of sample volume/weight, solvent extraction and evaporation of solvent to final volume

BALANCE ID: 507123450167 TEMP:

SURROGATE ID	567-2-2	8270 SPIKE ID	625 SPIKE ID	485-46-2	TECHNICIAN	DATE ,
VOLUME	1.02	VOLUME	VOLUME	Lon	Chaures	1/14/11
CONCENTRATION	10suglal	CONCENTRATION	CONCENTRATION	100 solut	0	1/14/11
NaOH		ACID			SUPERVISOR	DATE '
SPIKE WITNESS	2/9	2		:	ANT)	1/14/11

Revision 3, 10/04/2010

# BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION Start: 1/35 End: 13							^{d:} 1306		BATO NO:	BATCH 448924 %			270( 6255/K)	
M	ATRIX:		W/	ATER 🗹 🥴	SOIL 🛛	TO	HER 🖺		LEVE	EL:	· LC	w 🗹		IUM 🗌
(	CLIENT	CLIENT	ID	GCAL ID	INITIA VQL/V (ml)		FINAL VOLUME (mL)	BN pH	Acid pH	SAM TYPE		сомм	ENTS	METHOD
1	QC ACCOUNT		8924	912529	1000		1-0	7][	42	МB		-	·	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 448924 [EXTO/27520		912530	1000	-	1.0	<b>&gt;</b> 11	K-2	LCS		-		·
3	QC ACCOUNT	LCSD for HBN 448924 [EXTO		912531	1000		1-0	ا(<	L2	LCSI	D	-		SEPARATORY FUNNEL/3510
4	4482	EQUIPMENT BLANK		211011405	14 990		1-0	IK	L2	EQB	K	625_SF	?K	
5														SONICATOR/3550
7							7				•			SOXHLET/3540
8														GPC CLEANUP/3640
10 11		, i												WASTE DILUTION/3580
12 13 14										-				TCLP EXTRACTION FLUID 1
15 16					<b> </b>			-						TCLP EXTRACTION FLUID 2
17 18														MECL2/Acetone No:
19 20										-				ACETONE LOT NO:
21		*												MeCL2 Lot No:
22 23				<u> </u>				┡						105359 Sodium Sulfate Lot
24														No: 10343-1
25 26		j h			-									
27 28	,													
COM	1MENTS: SA	FINAL VOLU		ON INCLUDE DE	TERMINAT	ION (	OF SAMPLE VO	OLUM	TEMP:	GHT, SO	DLVE	NT EXTRA	ACTION	AND EVAPORATION
SU	RROGATE II	507-2-2	827	70 SPIKE ID			625 SPIKE ID		UQEA	41.2	TEC	HNICIA	N	DATE
VO	LUME	Lund	VO	LUME			VOLUME		1.0	216		WIL		1-14-11
		ONSO COM	co	NCENTRATION			CONCENTRA	TION						·
Na		502-7-4	AC	CID	36-3-4					<u> </u>		PERVISO	OR	DATE
SF	IKE	100/	1						1	- 1	1	\$		1 11/1.

Revision 3, 10/04/2010

# LABORATORY CHRONICLE: MSSV DEPARTMENT

Pate: 12-JAN-2011

Standard

Conc

Lot No.

Instrument: MSSV4.i

DFTPP

ppm 50

Int. Standard

4000

Inst.	Conditions:									
MISC:										
-										

·					•			
<u></u>	· · · · · · · · · · · · · · · · · · ·							<u>.</u>
Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	; Anal	ALS   Comments	
•	1	1	. 1		1	1	I I	•
********	8888888888888							
1100	42-9-11	e7895c.d		12-JAN-2011 07:43	1.000		1   all	
1100	42-9-11	e7895.d	0.00 ml	12-JAN-2011 07:43	1.000	KCB	1   all	
1100	42-9-11	e7895d.d	1000.00 ml	12-JAN-2011 07:43	1 1.000	KCB	1   all	
1400 .	42-7-1	e7896.d	1000.00 ml	12-JAN-2011 08:00	1.000	KCB	2   8270c	
1205	1 42-7-1	e7897.d	1000.00 ml	12-JAN-2011 08:21	1 1.000	KCB	1 2   8270c	
1205	42-7-1	e7897d.d	1000.00 ml	12-JAN-2011 08:21	1.000	KCB	] 2   8270c	
1204	42-7-2	e7898.d	1000.00 ml	12-JAN-2011 08:38	1.000	KCB	3   8270c	
1204	1 42-7-2	e7898d.d	! 1000.00 ml	12-JAN-2011 08:38	1 1.000	KCB	3   8270c	-
1206	42-7-3	e7899.d	1 1000.00 ml	12-JAN-2011 08:54	1.000	KCB	4   8270c	
1206	1 42-7-3	e7899d.d	1000.00 ml	12-JAN-2011 08:54	1.000	( KCB	4   8270c	:
1207	1 42-7-4	e7900.d	1000.00 ml	12-JAN-2011 09:11	1.000	KCB	5   8270c	
1207	1 42-7-4	e7900d.d	1000.00 ml	12-JAN-2011 09:11	1.000	KCB	5   8270c '	
1208	1 42-7-5	e7901.d	j, 1000.00 ml j	12-JAN-2011 09:28	1.000	KCB	6   8270c	
1208	1 42-7-5	e7901d.d	1000.00 ml	12-JAN-2011 09:28	1.000	KCB	6   8270c	
1209	1 42-7-6	e7902.d	1000.00 ml	12-JAN-2011 09:45	1 1.000	KCB	7   8270c	
1209	1 42-7-6	e7902d.d	1000.00 ml	12-JAN-2011 09:45	1 1.000	KCB	7   8270c	
1203	1 42-7-7	e7903.d	1 1000.00 ml	12-JAN-2011 10:02	1 1.000	KCB	8   8270c	•
1203	42-7-7	e7903d.d	1000.00 ml	12-JAN-2011 10:02	1 1.000	KCB	8   8270c	
1202	1 42-7-8	1 e7904.d	1000.00 ml	12-JAN-2011 10:19	1 1.000	KCB	9   8270c	
1201	1 42-7-9	l e7905.d	1 1000.00 ml 1	12-JAN-2011 10:37	1.000	KCB	10   8270c	
1600	42-7-10	e7906.d	1000.00 ml	12-JAN-2011 10:54	1 1.000	KCB	11   SA8270	
1600	1 42-7-10	e7907.d	1000.00 ml	12-JAN-2011 11:49	1.000	) KCB	11   SA8270	
1600	1 42-7-10	e7907d.d	1000.00 ml	12-JAN-2011 11:49	1 1.000	KCB	11   SA8270	
911074	BLK	e7908.d	30.10 g	12-JAN-2011 12:22	1 .1.000	l. KCB	12   176115	
911075	LCS	e7909.d	30.00 g	12-JAN-2011 12:39	1.000	I KCB	13   176115	
911076	LCSD	e7910.d	30.00 g	12-JAN-2011 12:56	1 1.000	KCB	! 14   176115	
21101080701	4744	e7911.d	[ 30.00 g [	12-JAN-2011 13:16	1 jo.000	( KCB	15   176115	
21101080701	1 4744	e7912.d	1 30.00 g l	12-JAN-2011 13:39	1 2.000	KCB	37   176115	
911077	1 MS	e7913.d	30.20 g	12-JAN-2011 13:55	1 2.000	KCB	16   176115	
911078	I MSD	e7914.d	30.10 g	12-JAN-2011 14:11	1 2.000	KCB	17   176115	
21101080702	1 4744	e7915.d	30.20 g	12-JAN-2011 14:28	1.000	KCB	18   176115	
21101080703	4744	e7916.d	30.10 g	12-JAN-2011 14:44	1.000	KCB	19   176115	
21101080704	4744	e7917.d	30.20 g	12-JAN-2011 15:01	1 ,1.000	! KCB	20   176115	
21101080705	1 4744	e7918.d	30.30 g	12-JAN-2011 15:18	1.000	KCB	21   176115	
911077	I MS	e7919.d	i 30.20 g i	12-JAN-2011 15:35	2.000	KCB	38   176115	
911077	I MS	1 e7920.d	1 30.20 g	12-JAN-2011 15:54	1 2.000	KCB	38   176115	

# LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 14-JAN-2011

Standard

Conc '

Lot No.

Instrument: MSSV4.i

DFTPP

ppm 50

Int. Standard

4000

Inst. Conditions:_ MISC:

Sample ID	ClientName	DataFile	Wgt/Vol       Injection Time	Dil	
*************	 	, 	' . 		
1100	42-9-11	e7970c.d	0.00 ml   14-JAN-2011 14:09	1.000   KCB   1   all	
1100	42-9-11	e7970.d	0.00 ml   14-JAN-2011 14:09	1.000   KCB   1   all	
1100	42-9-11	e7970d.d	0.00 ml   14-JAN-2011 14:09	1.000   KCB   1   all	
1400	42-7-1	e7971.d	1000.00 ml   14-JAN-2011 14:26	1.000   KCB   2   SA8270	
1400	1 42-7-1	e7972.d	1000.00 ml   14-JAN-2011 14:42	1.000   KCB   2   8270c	
1400	1 42-7-1	e7972d.d	1000.00 ml   14-JAN-2011 14:42	1.000   KCB   2   8270c	
912529	BLK	l e7973.d	1000.00 ml   14-JAN-2011 14:59	1 1.000   KCB   3   SA8270	
912530	LCS	e7974.d	1000.00 ml   14-JAN-2011 15:16	1.000   KCB   4   8270qc	
912531	LCSD	1 e7975.d	1000.00 ml   14-JAN-2011 15:33	1.000   KCB   5   8270qc	
21101140514	4482	e7976.d	990.00 ml   14-JAN-2011 15:49	1.000   KCB   6   SA8270	- "
912490	BLK	e7977.d	30.10 g   14-JAN-2011 16:06	1.000   KCB   7   SA8270	
912491	LCS	e7978.d	30.20 g   14-JAN-2011 16:23	1 1.000   KCB   8   8270qc	
912492	LCSD	e7979.d	30.30 g   14-JAN-2011 16:39	1.000   KCB   9   8270qc	
21101140501	4482	e7980.d	30.10 g   14-JAN-2011 16:56	1.000   KCB   10   SA8270	
21101140502	MS	e7981.d	30.00 g   14-JAN-2011 17:13	1.000   KCB   11   8270qc	
21101140503	MSD	e7982.d	30.00 g   14-JAN-2011 17:29	1.000   KCB   12   8270qc	
21101140504	4482	e7983.d	30.00 g   14-JAN-2011 17:46	1.000   KCB   13   SA8270	
21101140505	1 4482	e7984.d	30.20 g   14-JAN-2011 18:03	1.000   KCB   14   SA8270	
21101140506	4482	e7985.d	30.00 g   14-JAN-2011 18:19	1 1.000   KCB   15   SA8270	
21101140507	4482	e7986.d		1.000   KCB   16   SA8270	
21101140508	4482	e7987.d	30.00 q   14-JAN-2011 18:53	1.000   KCB   17   SA8270	
21101140509	4482	e7988.d	30.40 g   14-JAN-2011 19:09	1.000   KCB   18   SA8270	
21101140510	1 4482	e7989.d	30.20 g   14-JAN-2011 19:26	1 1.000   KCB   19   SA8270	
21101140511	4482	e7990.d	•	1 1.000   KCB   20   SA8270	
21101140512	1 4482	e7991.d		1 1.000   KCB   21   SA8270	
21101140513	1 4482	e7992.d		1 1.000   KCB   22   SA8270	
912532	BLK	l e7993.d	•	1 1.000   KCB   24   176115	
912533	LCS	le7994.d		1 1.000   KCB   25   176115	
912534	I LCSD	r e7995.d	30.20 g   14-JAN-2011 21:06	1.000   KCB   26   176115	
21101140612	1 4744	e7996.d	30.10 g   14-JAN-2011 21:23	1 1.000   KCB   27   176115	
912733	MS	e7997.d	•	1 1.000   KCB   28   176115	
912733	MSD	e7997.d   e7998.d	30.00 g   14-JAN-2011 21:57	1.000   KCB   29   176115	
21101140613	MSD   4744	e7999.d	30.30 g   14-JAN-2011 22:14	1.000   KCB   29   176115	
	1 4744	l e8000.d	•		
21101140614	,				
21101140801	1 4692	e8001.d	· ·	1 5.000   KCB   23   pah++lcs	
SOL BLK	SOL BLK	e8002.d	1000.00 ml   14-JAN-2011 23:57	1.000   KCB   100   SA8270	

#### LABORATORY CHRONICLE: MSSV DEPARTMENT

Pate: 17-JAN-2011 Instrument: MSSV4.i

Standard

DFTPP

Conc

Lot No.

ppm 50

Int. Standard

4000

			-	•	Inst.	Condit	lons:		<del></del>	
					MISC:					
				•		\$ J				
Sample ID	ClientName	DataFile	Wgt/Vol	Injection	n Time	Dil	Anal   ALS	Comments	 	
1100	42-9-11	e8006.d	0.00 ml	17-JAN-20	011 08:05	1.00	00   KCB   1	all		

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1	1	1	1		1	1	1	1
1100	42-9-11	e8006.d	0.00 ml	† 17-JAN-2011 08:05	1.000	KCB	1 1	all
1100	1 42-9-11	e8007c.d	0.00 ml	17-JAN-2011 08:22	1.000	KCB	1	all
1100	1 42-9-11	e8007.d	0.00 ml	17-JAN-2011 08:22	1 1.000	KCB	1	all
1 1400	1 42-7-1	e8008.d	1000.00 ml	17-JAN-2011 08:38	1 1.000	KCB	1 2	8270c
21101140504	4482	e8009.d	l 30.00 g	17-JAN-2011 08:56	1 10.000	KCB	3	SA8270
SOL BLK	SOL BLK	e8010.d	1000.00 ml	17-JAN-2011 09:13	1.000	KCB	100	SA8270
1400	1 42-2-2	e8011.d	1 1000.00 ml	17-JAN-2011 14:03	1 1.000	KCB	4	APP9
913174	BLK	e8012.d	_1 30.00 g	17-JAN-2011 14:20	1 1.000	KCB	5	SA8270
1 913175	LCS	l e8013.d	1 30.00 g	17-JAN-2011 14:37	1 1.000	KCB	6	l lcs
913173	LCSD	e8014.d	) 30.00 g	17-JAN-2011 14:53	1 1.000	J KCB	} 7	lcs
; 21101143101	4260	e8015.d	17.10 g	17-JAN-2011 15:10	5.000	KCB	J 8	SA8270
21101143102	1 4260	e8016.d	30.00 g	17-JAN-2011 15:26	5.000	KCB	J 9	I. SA8270
1 913174	BLK	e8017.d	30.00 g	17-JAN-2011 15:53	1.000	KCB	5	SA8270
913175	LCS .	e8018.d	l 30.00 g	17-JAN-2011 16:29	1.000	KCB	6	SA8270
913173	LCSD	e8019.d	.1 30.00 g	17-JAN-2011 16:45	1.000	KCB	7	lcs
913175	LCS	e8020.d	30.00 g	17-JAN-2011 17:02	1 1.000	KCB	6	lcs
913173	LCSD	e8021.d	30.00 g	17-JAN-2011 17:19	1 1.000	KCB	7	lcs
913175	LCS	e8022.d	i 30.00 g	17-JAN-2011 17:35	1.000	KCB	6	lcs
) SOL BLK	SOL BLK	e8023.d	1 1000.00 ml	17-JAN-2011 17:52	1.000	KCB	100	\$A8270
SOL BLK	SOL BLK	e8024.d	1 1000.00 ml	17-JAN-2011 18:08	1 1.000	KCB	100	SA8270
SOL BLK	SOL BLK	l e8025.d	1000.00 ml	i. 17-JAN-2011 18:24	1 1.000	KÇB	100	SA8270

# GCAL ...

# CHAIN OF CUSTODY RECORD

GULF COAST ANALYTICAL LABORATORIES, INC		POU				1482	21101	405	1-15-11
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-74 Phone 225.769.4900 • Fax 225.767.5717	02 C	lient Name			Clier		·	Workorder #	Due Date
Report to:  Client: Party Belfy & Wheley  Address: 5201 Dauble Creek Dr.  Ste 4004  Contact: Eric Pastor  Phone: 512-671-3434  Fax: 512-671-344 6	Bill t Client: Address:  Contact: Phone: Fax:	o:		A	nalytical Req	uests & Me	ethod	Lab use only:  Custody Seal  used Pryes  intact Tyes  Temperature °C	□no □no -7 4.9 4.2
P.O. Number Project Name/Number 1593 B Gulfco AST Sampled By: 1. Jennings			T No.	VAC					. Lab ID
Matrix ¹ Date Time C G G Sample Descript	ion	Preservatives	No Con- tainers	200				Remarks:	
5 /3/n/1400 X T-15-F		Nau	15	XX				Triplevol. For	us/8480 125
5 V13/11/445 X T-21-F	•	man	5	XX					9
5 1/13/11/155 X NC-0-0	3	Na	5	XX					5
5 1/3/11/50st X T=2-We	st	She	5	XX					6
5 /8/n 1535 X T-6-Floo	r	New	5	XX					7
5 1/13/1 155T X T-6-Eas	+	None	5	XX	ľ				8
5 1/13/11 16/5 X T-6-Sour	h	Non	5	XX				·	9
5 1/13/1/625 X T-6-Nor	th	M	5	XX					טו
5 1/B/n - X Blind Du	Ø	Non	5	XX					И
5 1/13/11/645 X SC-W		Nov	~	xX					·L
5 1/13/1 1655 X SC-E		Non	5	XX					B
W /13/2 1710 X Equip 8	k	Ach	\$5	XX			1-1-1		14
W 1/3/11/715 TripBlum	(	Ha	73	$\sim$					1,
	uk2	HCL	3	$\langle \cdot \rangle$	1 1 1				n
	] 3 days	☐ Standa		Other_					
Relinquished by: (Signature)  Received  Received	by: (Signature)		me: BUO me:	Note:				•	
The initial part (Signature)	by: (Signature)	Date: Ti	me:	By submitting conditions of	ng these samp contained in ou	les, you agr ur most rece	ee to the terr nt schedule o	ns and of services.	
Matrix ¹ : Vi lter. S = soil. SD = solid. L = liqui	id. St. = studge o = oil CT = ci	harcoal tube. A	= A	n V	Ve cannot ac	cept verha	channes	Please fay written chann	De 251 767-5717

# PRESERVATION CHECKLIST / COOLER RECEIPT

# Gulf Coast Analytical Laboratories, Inc.

WO: 211011405

Desc:

Type: D

Report: REVIEW_RPT

Work ID: GULFCO

Status: WP

Project Seq: 113065

Created: 1/14/2011

Client: 4482 - Pastor, Behling, & Wheeler

QΑ:

Profile: 201917 - GULFCO-III - GULFCO

PO: 1352

WAD	KODD	ED CA	MPLES
WUK	KUKU	ek sa	WILLES

			pH PRESERVATIVE		/ATIVE	VOA HEADSPACE			
Container ID	Туре	Preservative	Α	U	N/A	Α	U	N\A	CONTAINER CONDITION
21101140501-1	ос	NONE	<del></del>		X			X	ОК
21101140501-2	OC	NONE			Х		٠.	X	ОК
21101140501-3	OC	NONE			X			х	ок
21101140501-4	ос	NONE			X			×	ОК
21101140501-5	8	NONE			X			X	ОК
Container ID	Туре	Preservative	Α	U	N/A	A	υ	N\A	CONTAINER CONDITION
21101140502-1	ос	NONE			X			Χ.	OK.
21101140502-2	, oc	NONE			X			×	ОК
21101140502-3	ос	NONE			X			χ .	ОК
21101140502-4	OC .	NONE			X			x	ОК
21101140502-5	8	NONE			×			X	ОК
Container ID	Туре	Preservative	Α	U	N\A	Α	U	N\A	CONTAINER CONDITION
21101140503-1	ос	NONE			X			Х	ОК
21101140503-2	oc .	NONE		÷	X			x	OK
21101140503-3	ос	NONE	•		X			X	ОК
21101140503-4	oc	NONE	٠		X			X	ОК
21101140503-5	8	NONE .		*	X			X	ок
Container ID	Туре	Preservative	Α	U	N\A	Α	υ	NVA	CONTAINER CONDITION
21101140504-1	ОС	NONE		<del>-</del>	X			X	OK
21101140504-2	oç	NONE			×			×	ОК
21101140504-3	ос	NONE			X			X	OK
21101140504-4	ОС	NONE			X			x	OK,
21101140504-5	8	NONE			Χ			х	ОК

	  -  -	pH PRESERVATIVE			/ATIVE	VOA HEADSPACE			
Container ID	Type	Preservative	Α	U.	N/A	Α	υ	N/A CONTAINER CONDITION	
21101140505-1	oc	NONE			X			х ок	
21101140505-2	ос	NONE			χ .			х ок	
21101140505-3	ос	NONE			X			х ок	
21101140505-4	OC 7	NONE			X			х ок	
21101140505-5	8	NONE			X			х ок	
Container ID	Туре	Preservative	Α	U	N\A	Α	U	N/A CONTAINER CONDITION	
21101140506-1	ос	NONE	•		χ .			х ок	
21101140506-2	OC ·	NONE			x			х ок	
21101140506-3	OC .	NONE			X			х ок	
21101140506-4	oc ·	NONE			X			х ОК	
21101140506-5	8	NONE			X			X OK	
Container ID	Туре	Preservative	Α	U	N\A	Α	Ū	N\A CONTAINER CONDITION	
21101140507-1	ос	NONE			X			х ОК	
21101140507-2	oc I	NONE			, <b>x</b>			х ок	
21101140507-3	ОС	NONE			· x	•		х ок	
21101140507-4	ос	NONE			X			х ОК	
21101140507-5	8	NONE			X			X OK	
Container ID	Туре	Preservative	. A .	.U	N\A	Α	U	N/A CONTAINER CONDITION	
21101140508-1	oc	NONE			Х			х ОК	
21101140508-2	ос	NONE	•		X		*	х ок	
21101140508-3	ос	NONE	,		X			х ок	
21101140508-4	ос	NONE	•		X			X OK	
21101140508-5	8	NONE			X			х ок	
Container ID	Туре	Preservative	Α	U	N\A	,A	U	N/A CONTAINER CONDITION	
21101140509-1	ОС	NONE		•	Χ			х ок	
21101140509-2	oc -	NONE			X			X OK	
21101140509-3	oc	NONE			X			X OK	
21101140509-4	oc	NONE			x '		•	х ОК	
21101140509-5	8	NONE			x			х ок	
Container ID	Туре	Preservative	Α.	U	N\A	Α	U	N/A CONTAINER CONDITION	
21101140510-1	ОС	NONE			X			X OK	
21101140510-2	oc	NONE			X			. X OK	
21101140510-3	oc	NONE			X			х ок	
21101140510-4	ос	NONE ·			X			х ок	
21101140510-5	8	NONE			X			х ок	

Friday, January 14, 2011

SMDW0002N

Page 2 of 4

			pH PR	ESERV	/ATIVE	VOA	HEADS	SPACE
Container ID	Туре	Preservative	Α	U	N\A	Α	υ	NA CONTAINER CONDITION
21101140511-1	ос	NONE			X	1		x OK
21101140511-2	OC.	NONE	•		X			X OK
21101140511-3	oc	NONE	•	•	X			х ок
21101140511-4	o'C	NONE			X	i	•	X OK
21101140511-5	8 .	NONE			x			х ок
Container ID	Туре	Preservative	Α .	U·	N\A	, <b>A</b>	U	N/A CONTAINER CONDITION
21101140512-1	ос	NONE			Х			х ОК
21101140512-2	ос	NONE	,		X	4		х ок
21101140512-3	ОС	NONE			X			х ок
21101140512-4	ос	NONE			X	•		х ок
21101140512-5	8	NONE			· x			х ОК
Container ID	Туре	Preservative	Α	U	N\A	. <b>A</b>	Ü	N/A CONTAINER CONDITION
21101140513-1	ОС	NONE			х			х ок
21101140513-2	ОС	NONE		•	X	:		x ok
21101140513-3	ОС	NONE			Х			х ок
21101140513-4	ОС	NONE			х			x OK
21101140513-5	8	NONE			χ .			х ок
Container ID	Туре	Preservative	Α	U	N/A	Α	U	N/A CONTAINER CONDITION
21101140514-1	LA	NONĖ	,		X			x OK
21101140514-2	LA	NONE			X	į.	•	X OK
21101140514-3	40	HCL			^	7		OK
21101140514-4	40	HCL			7	2		. OK
21101140514-5	40	HCL						OK .
Container ID	Туре	Preservative	Α	U	N\A		U	N/A CONTAINER CONDITION
21101140515-1	40	HCL .			.1	1		OK
21101140515-2	40	HCL			7	2		OK
21101140515-3	40	HCL			V	e F		ок
Container ID	Туре	Preservative	A	U	N\A	· A	U	N/A CONTAINER CONDITION
21101140516-1	. 40	HCL				7	·	OK
21101140516-2	40	HCL			ń	. 4		OK
21101140516-3	40	HCL						ОК

pH PRESERVATIVE

VOA HEADSPACE

A = ACCEPTABLE U = UNACCEPTABLE N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE

U MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM LIMIT = 4C + \ - 2C

**Custody Seal** used []Yes [ ] No

in tact [ ] Yes []No

LABEL(S) VERIFIED_

CUSTODIAN 1

# **ANALYTICAL RESULTS**

**PERFORMED BY** 

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

**Report Date** 01/20/2011

**GCAL Report** 211011920

Deliver To Pastor, Behling, Wheeler 2201 Double Creek Drive Round Rock, TX 78664 512-671-3434

Attn Eric Pastor

Project GULFCO

#### **CASE NARRATIVE**

Client: Pastor, Behling, Wheeler

**Report:** 211011920

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

### Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### Common Abbreviations Utilized in this Report

	V. Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Com
NID	Indicates the result was Not Detected at the specified RDL
ND	Indicates the result was Not Detected at the specified RDI
1 1 1	maioatoo the recall mae real Botootoa at the opening repe

DO Indicates the result was Diluted Out

MI Indicates the result was subject to Matrix Interference TNTC Indicates the result was Too Numerous To Count

SUBC Indicates the analysis was Sub-Contracted

FLD Indicates the analysis was performed in the Field

PQL Practical Quantitation Limit
MDL Method Detection Limit
RDL Reporting Detection Limit

RDL Reporting Detection Limit
00:00 Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J Indicates an estimated value

U Indicates the compound was analyzed for but not detected

B (ORGANICS) Indicates the analyte was detected in the associated Method Blank

B (INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues Fri Jan 21 2011 11:15:12

Robyn Migues
Technical Director

**GCAL REPORT 211011920** 

THIS REPORT CONTAINS PAGES.

# Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21101192001	N. CONTAINMENT-2	Water	01/18/2011 13:35	01/19/2011 10:30
21101192002	TRIP BLANK	 Water	01/18/2011 13:45	01/19/2011 10:30

# Summary of Compounds Detected

There were no detects

		Collect Date/Time	Receive Date/Time
GCALID Client ID	Matrix		
1.21101192001 N. CONTAINMENT		04/40/0044 40:00	
	-2 Water		

### SW-846 8260B

Prep Date	Prep Batch	Prep Method	· Dilution 1	Analyzed 01/19/2011 12:27	By Analy RJU 4492	ytical Batch 16
CAS#	Parameter		Result	RDL	MD	L Units
107-06-2	1,2-Dichloroethane		5U	5	0.08	36 ug/L
71-43-2	Benzene	•	5U	5	0.05	54 ug/L
67-66-3 `	Chloroform		5U	5	0.05	57 ug/L
127-18-4	Tetrachloroethene		5U	: 5	0.12	21 ug/L
79-01-6	Trichloroethene		. 5U	- 5	0.06	32 ug/L
75-01-4	Vinyl chloride		5U	5	0.09	93 ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	[′] 78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	48.9	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	47.5	ug/L	95	71 - 127

 GCAL ID
 Client ID
 Matrix
 Collect Date/Time
 Receive Date/Time

 21101192002
 TRIP BLANK
 Water
 01/18/2011 13:45
 01/19/2011 10:30

#### SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution 1	Analy: 01/19/	zed 2011 11:19	By RJU	Analytical 449216	Batch
CAS#	Parameter /		Result		RDL		MDL	Units
107-06-2	1,2-Dichloroethane		5U		5		0.086	ug/L
71-43-2	Benzene		5U		5		0.054	ug/L
67-66-3	Chloroform		5U		5	**	0.057	ug/L
127-18-4	Tetrachloroethene	·	5U		. 5		0.121	ug/L
79-01-6	Trichloroethene	. •	5U	3	5	,	0.062	ug/L
75-01-4	Vinyl chloride	•	5U		5		0.093	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec		Units	% Rec	covery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.9	-	ug/L		94	78 - 130
1868-53-7	Dibromofluoromethane	. 50	50.4	4	ug/L		101	77 - 127
2037-26-5	Toluene d8	50	49.3	:	ug/L		99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.6		ug/L		97	71 - 127

### GC/MS Volatiles Quality Control Summary

Analytical Bat	tch 449216	Client ID	MB449216			LCS449216			LCSD449216			
Prep Bat	tch N/A	GCAL ID	913959			913960			913961			
		Sample Type	Method Blank			LCS			LCSD			
		Analytical Date	01/19/2011 10:45			01/19/2011 07:36			01/19/2011 08:16			l
		Matrix	Water			Water			Water			
	CIAL DAC DO	COD	Units	ug/L	Spike	D		Control		· ·		RPD
SW-846 8260B		Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit	
67-66-3	Chloroform		5U	5	50.0	46.9	94	75 - 122	44.1	88	6	30
107-06-2	1,2-Dichloroeth	iane -	5Ú	5	50.0	44.4	89	71 - 129	42.7	85	4	30
127-18-4	Tetrachloroeth	ene .	5U	. 5	50.0	45.0	90	68 - 128	43.8	88	3.	30
75-01-4	Vinyl chloride	•	5U	5	50.0	45.6	91	68 - 132	42.9	86	6	30
75-35-4	1,1-Dichloroeth	nene ·	5U	5	50.0	46.5	93	69 - 129	44.2	88	• 5	20
71-43-2	Benzene		5U	. 5	50.0	45.5	91	70 - 129	44.1	88	3	- 20
79-01-6	Trichloroethen	Э	5U	. 5	50.0	44.8	90	76 - 129	43.2	86	´ 4	. 20
108-88-3	Toluene		5U	5	50.0	46.4	93	72 - 120	45.2	90	3	20
108-90-7	Chlorobenzene	)	5U	5	50.0	46.1	92	74 - 123	44.9	90	- 3	20
Surrogate							1			•		
460-00-4	4-Bromofluorol	oenzene	46.3	93	50	49.8	100	78 - 130	49.2	98		
1868-53-7	Dibromofluoror	nethane	49.5	99	50	50.6	101	77 - 127	50.3	101		
2037-26-5	Toluene d8		49	98	50	47.3	95	76 - 134	47.8	96		
17060-07-0	1,2-Dichloroeth	nane-d4	48 -	96	50	48.5	97	71 - 127	48.7	97		

Analytical Batch	449216	Client ID	B169-ZONE 4-01121	1-WC		912500MS			912500MSD				
Prep Batch	N/A	GCAL ID	21101140606			913981			913982				
1		Sample Type	SAMPLE			MS			MSD				
		Analytical Date	01/19/2011 11:42			01/19/2011 13:14			01/19/2011 13:36				
		Matrix	Solid			Solid			Solid				
SW-846 8260B		:np	Units	ug/L	Spike	Result		Control	Decult			RPD	
3	VV-040 02,0	000	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit	
67-66-3	Chloroform		0.00	200	2000	2080	104	74 - 124	1960	98	6	30	
107-06-2	1,2-Dichloroeth	ane	0.00	200	2000	1890	95	68 - 126	1900	95	0.5	30	
127-18-4	Tetrachloroethe	ene	0.00	200	2000	1930	97	70 - 127	1900	95	2	30	
75-01-4	Vinyl chloride		0.00	200	2000	1900	95	67 - 131	1830	92	4	30	
75-35-4	1,1-Dichloroeth	ene ·	0.00	200	2000	1980	99	68 - 129	1980	99	0	22	
71-43-2	Benzene		0.00	200	2000	2010	101	73 - 128	1990	100	1	21	
79-01-6	Trichloroethene	•	0.00	200	2000	1920	96	78 - 127	1850	93 `	4	24	
108-90-7	Chlorobenzene		0.00	200	2000	2020	101	75 - 121	2000	100	1	21	
Surrogate												1	
460-00-4	4-Bromofluorob	enzene	,		2000	. 1980	99	62 - 127	1980	99			

# GC/MS Volatiles Quality Control Summary

Analytical Bat	ch 449216	Client ID	B169-ZONE 4-011	211-WC	:	912500MS			912500MSD			
Prep Bat	ch N/A	GCAL ID	21101140606			913981			913982			
		Sample Type	SAMPLE			MS			MSD			
}		Analytical Date	01/19/2011 11:42			01/19/2011 13:14			01/19/2011 13:36			
		Matrix	Solid			Solid			Solid			
	SW-846 820	SUB	Units	ug/L	Spike	Result		Control	Dogult			RPD
,	344-040 021	סעָם	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
1868-53-7	Dibromofluoror	nethane			2000	2010	101	65 - 130	1990	100		
2037-26-5	Toluene d8		V.		2000	1890	95	71 - 132	1910	96		1
17060-07-0	1,2-Dichloroeth	nane-d4		-	2000	1900	95	62 - 125	1890	95		l '

Matrix1: W

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gul: co 7979	GSRI Ave	TICAL LABO enue, Ba 225,769	orato ton Fi	ories, in louge,	Lab use only		PBW nt Name				_			87_ ent#		-	z		1920 orkorder #		2/-// Due Date
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Matrix ¹	Date	Time (2400)	Comp	G r s b	Sample Description		Preservativ	tainers	Benze	Chlor	[7]	ř	中	\ <u>\{\}</u>					Remarks:		Lab ID
W	1/18/11	1335		X	N. Containment 2 Trip Blank	. <u>.</u> `.	HCL		X	X	χ	X	X	X	_						1 3
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### SAMPLE RECEIVING CHECKLIST

Workorder: 211011920	Client: Pasto	or, Behling, 8	& Wheeler	
Received by: Raborn, Michelle	Received Date	te/Time: <u>1/19</u>	<u>/2011 10:30:0</u>	MA 00
Samples Received via: <u>FEDEX</u>	Number of Co	oolers Receive	d:	
Cooler tracking numbers(s): 8722 9413 7560		·		
Cooler temperature(s): 4.1			<u>.                                      </u>	
Were all coolers received at a temperature of 0 - 6° C?	Wes	T No	□ N/A	
Were all custody seals intact?	Tes	No	√ N/A	,
Were all samples recevied in proper containers?	TYes	□ No	□ N/A	
Were all samples properly preserved?	Yes	□No	□ N/A	
Was preservative added to any container at the lab?	☐ Yes	No	□ N/A	
Were all containers received in good condition?	Ves	∏ No	□ N/A	
Were all VOA vials received with no head space?	Yes	□ No	□ N/A	
Do all sample labels match the Chain of Custody?	Ves	∏ No	□-N/A	
Was the client notified about any discrepancies?	Yes	□ No	Γ N/A	
		1		
Notes/Comments:				<u>.</u>
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### **ANALYTICAL RESULTS**

**PERFORMED BY** 

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

**Report Date** 12/20/2010

**GCAL Report** 210121016

**Deliver To** Columbia Environmental Services, Inc. 13222 Reeveston Road Houston, TX 77039 713-400-5651

Attn Tony Maag

Project Gulfco Freeport, TX

#### **CASE NARRATIVE**

Client: Columbia Environmental Services, Inc. Report: 210121016

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### VOLATILES MASS SPECTROMETRY

In the SW-846 1311/8260B analysis, a dilution factor of 40 was performed for sample 21012101601 (SOILS IN BERM AREA). The reporting limits are at or below the regulatory limits at this dilution.

In the SW-846 1311/8260B analysis for analytical batch 447304, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries are acceptable.

#### SEMI-VOLATILES GAS CHROMATOGRAPHY

In the TX1005 analysis for prep batch 447363, the MS/MSD recoveries and RPD are not applicable due to the high concentration of TPH in the spiked sample. The LCS/LCSD recoveries are acceptable.

#### **METALS**

In the SW-846 1311/6010B analysis, sample 21012101601 (SOILS IN BERM AREA) was analyzed at a dilution. The reporting limits are at or below the regulatory limits at this dilution.

In the SW-846 1311/6010B analysis for prep batch 447424, the Sample/Duplicate RPD for Cadmium, Chromium, Lead, Selenium and Silver is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

### Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
Mi	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit

MDL Method Detection Limit

RDL Reporting Detection Limit

00:00 Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J	Indicates an estimated value
Ú,	Indicates the compound was analyzed for but not detected
В	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
В	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues	٠.
Technical Director	•
<b>GCAL REPORT</b> 210121016	
* * *	•
THIS REPORT CONTAINS	PAGES

# Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012101601	SOILS IN BERM AREA	Solid	12/08/2010 15:00	12/10/2010 08:40
21012101602	PCB TRANSFORMER WASH WATER	Water	12/08/2010 15:00	12/10/2010 08:40

# Summary of Compounds Detected

GCAL ID, 21012101601	Client ID SOILS IN BERM AREA	Matrix Solid	Collect Date/Time 12/08/2010 15:00	가게하다 그렇다면 하셨습니	ceive Date/Time /10/2010 08:40	
SW-846 601	OB TCLP					
CAS#	Parameter		Result	RDL	MDL	Units
7440-39-3	Barium		1.10B	5.00	0.00055	mg/L
7440-43-9	Cadmium "		0.0028B	0.050	0.00055	mg/L
7440-02-0	Nickel .		0.0076B	0.20	0.0048	mg/L
TX1005 Hydi	rocarbons by Rar	ge				
CAS#	Parameter		Result	RDL	MDL	Units
GCSV-05-02	>C12-C28	•	384000	50000	4350	ug/Kg
GCSV-05-03	>C28-C35	•	416000	50000	4350	ug/Kg
GCSV-05-01	C6-C12		24600J	50000	4450	ug/Kg
GCSV-05-04	Total TPH (C6-C35)		825000	50000	4350	ug/Kg

GCAL ID Client ID	Matrix Collect Date/Time	Receive Date/Time
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121012101601 SOILS IN BERM AREA	Solid 12/08/2010 15:00	12/10/2010 08:40
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### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	Analy 12/12/	<b>zed</b> 2010 16:31	By Analytica BKR 447304	l Batch
CAS#	Parameter	•	Result	i	RDL	MDL	Units
75-35-4	1,1-Dichloroethene		0.200U	•	0.200	0.00656	mg/l
107-06-2	1,2-Dichloroethane	•	0.200U		0.200	0.00344	. mg/l
78-93-3	2-Butanone	•	0.200U	1	0.200	0.00373	mg/l
71-43-2	Benzene		0.200U	- 1	0.200	0.00217	mg/l
56-23-5	-Carbon tetrachloride		0.200U		0.200	0.00592	mg/l
108-90-7	Chlorobenzene		0.200U		0.200	0.00110	mg/l
67-66-3 [*]	Chloroform		0.200U		0.200	0.00226	mg/l
127-18-4	Tetrachloroethene		0.200U	7	0.200	0.00484	mg/l
79-01-6	Trichloroethene		0.200U	4	0.200	0.00247	mg/l
75-01-4	Vinyl chloride		0.200U		0.200	0.00372	· mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec		Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2000	2080	1	ug/L	104	62 - 130
1868-53-7	Dibromofluoromethane	2000	2050	1	ug/L	103	65 - 127
2037-26-5	Toluene d8	2000	2080		ug/L	104	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	2110	•	ug/L	106	62 - 127

### SW-846 8270C TCLP

Prep Date 12/14/2010 08	Prep Batch i:53 447409	Prep Method 3510C	Dilution 1	Analyzed 12/14/2010 19:31	By Analytic JEW 447429	al Batch
CAS#	Parameter		Result	RDL	MDL	Units
106-46-7	1,4-Dichlorobenzene		0.0500U	0.0500	0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol		0.0500U	0.0500	0.0006	mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500	0.0008	mg/L
121-14-2	2,4-Dinitrotoluene		0.0500U	0.0500	0.0012	mg/L
1319-77-3	Cresols	v	0.1000U	0.1000	0.0024	mg/L
118-74-1	Hexachlorobenzene		0.0500U	- 0.0500	0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500	0.0011	mg/L
67-72-1	Hexachloroethane	•	0.0500U	0.0500	0.0055	mg/L
98-95-3	Nitrobenzene		0.0500U	0.0500	0.0011	mg/L
87-86-5	Pentachlorophenol		0.2500U	0.2500	0.0076	mg/L
110-86-1	Pyridine		0.0500U	0.0500	0.0077	mg/L
1319-77-3MP	m,p-Cresol	•	0.0500U	0.0500	0.0017	mg/L
95-48-7	o-Cresol		0.0500U	0.0500	0.0009	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	250	212	ug/L	85	48 - 123
321-60-8	2-Fluorobiphenyl	250	213	ug/L	85	16 - 128
1718-51-0	Terphenyl-d14	250	189	ug/L	76	38 - 167
4165-62-2	Phenol-d5	500	183	ug/L	37	10 - 123
367-12-4	2-Fluorophenol	500	271	ug/L	54	10 - 120
118-79-6	2,4,6-Tribromophenol	500	370	ug/L	74	44 - 121

7782-49-2 Sel 7440-22-4 Silv V-846 7470A T Prep Date 12/14/2010 10:35 CAS# Pai	CLP Prep Batch	Prep Method SW-846 7470A	0.25U  Dilution 1  Result 0.0020U	0.25  Analyzed 12/15/2010 15:04  RDL 0.0020	By AJW	0.0030  Analytical Bat 447395  MDL 0.000081	mç
7440-02-0 Nic 7782-49-2 Sel 7440-22-4 Silv V-846 7470A T Prep Date 12/14/2010 10:35	enium rer CLP Prep Batch 447425		0.25U  Dilution 1	Analyzed 12/15/2010 15:04		Analytical Bat 447395	mç ch
7440-02-0 Nic 7782-49-2 Sel 7440-22-4 Silv /-846 7470 A T Prep Date	enium rer CLP Prep Batch		0.25U Dilution	Analyzed		Analytical Bat	mç
<b>7440-02-0 Nic</b> 7782-49-2 Sel 7440-22-4 Silv	enium ver			0.25		0.0030	
<b>7440-02-0 Nic</b> 7782-49-2 Sel	enium			0.25		0.0030	
<b>7440-02-0 Nic</b> 7782-49-2 Sel	enium			n 25		0.0030	
7440-02-0 Nic			ubuli	0.30		0.022	mg
	kal		0.0076B 0.50U	0.50		0.0048	
7/30-02-1	iu ,		0.0076B	0.30		0.0070 <b>0.0048</b>	m
(440-30-6 C0	oper	•	0.10U 0.50U	0.10		0.0069	m m
	omium		0.25U	0.25		0.0017	m
	dmium	•	0.0028B	0.050 0.25		0.00055	m
	rium		1.10B	5.00		0.00055	m
	enic		1.00U	1.00		0.013	m
	imony		0.30U	0.30		0.020	m
	rameter		Result	RDL		MDL	Un
12/14/2010 10:35	447424 .	SW-846 3010A	5	12/15/2010 18:09		447501	
	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Bat	ch
'-846 601 <u>0</u> B T	CLP						
5.10			, ,	פיייפי			
	phenyl	50000	44500	ug/Kg	-70 KE	89 `	58 - 1
	ogate	Conc. Spiked	Conc. Rec	Units	% D.		Rec Lim
	al TPH (C6-C35)		825000	50000		4350 .	ug/
	C12		24600J	50000		4450	ug/
	28-C35		416000	50000		4350	ug/
	rameter 12-C28		Result 384000	RDL 50000		MDL 4350	Un ug/
	447363	TNRCC 1005	1	12/16/2010 18:18	SMH ———	447615	
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Result

250U

RDL

250

MDL

250

Units mg/kg

CAS#

57-12-5R

Parameter

Reactivity Cyanide

GCALID Client ID Matrix Collect Date/Time Receive Date/Time 21012101601 SOILS IN BERM AREA Solid 12/08/2010 15:00 12/10/2010 08:40

SW-846 9034 Reactivity Sulfide

Prep Date 12/10/2010 14:	<b>Prep Batch</b> 00 447141	Prep Method Sec 7.3.4.2	Dilution 1	Analyzed 12/13/2010 11:25	By Analytic JEM 447342	cal Batch
CAS#	Parameter		Result	RDL	MDL	Units
18496-25-8R	Reactivity Sulfide		. 80U	. 80	80	mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

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GCALID Client ID	Matrix Collect Date/Time	Receive Date/Time
,我们会的现在分词,我们的对象,这个对数是自己的,这种心理的人,不是我们的意思,就是我们的是不是一种的人,我们就是一个的。	主读 天工 "我一个","你怎样"不知"与解释的。"你就好,你好什么好好的的,不能是这一一	하는 사람들은 이렇게 대한 대학생들이 되지 않아요. 한 사람은 함께 없었다면 한 네트
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### SW-846 8082A

Prep Date 12/15/2010 1	<b>Prep Batch</b> 0:55 447353	Prep Method 3510C	Dilution 1	Analyzed 12/15/2010 21:00	-	Analytical Batc 447536	h
CAS#	Parameter		Result	RDL		MDL	Units
12674-11-2	Aroclor-1016		1.28U	1.28		0.431 .	ug/L
11104-28-2	Aroclor-1221	•	1.28U	1.28		0.285	ug/L
11141-16-5	Aroclor-1232		1.28U	1.28		0.129	ug/L
53469-21-9	Aroclor-1242		1.28U	1.28		0.217	ug/L
12672-29-6	Aroclor-1248		1.28U	1.28		0.131	ug/L
11097-69-1	Aroclor-1254		1.28U	1.28		0.110	ug/L
11096-82-5	Aroclor-1260		1.28U	1.28	•	0.338	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Reco	very Re	c Limits
2051-24-3	Decachlorobiphenyl	.641	.194	ug/L		30	30 - 139

## GC/MS Volatiles Quality Control Summary

Analytical Ba	atch 447304	Client ID	MB447304	·		LCS447304	-		LCSD447304	*		
Prep Ba	atch N/A	GCAL ID	904859			904860			904861			
		Sample Type	Method Blank			LCS		•	LCSD			
		Analytical Date	12/12/2010 15:21			12/12/2010 14:10			12/12/2010 14:37			
	Matrix		Water			Water			Water			
í	SW-846 8260B TCLP		Units	mg/L	Spike	D14		Control	D14:			RPD
.51	VV-040 020UE	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
56-23-5	Carbon tetrach	loride	0.00500U	0.00500	0.050	0.057	114	76 - 128	0.056	111	2	30
67-66-3	Chloroform		0.00500U	0.00500	0.050	0.053	106	75 - 122	0.052	103	2	30
107-06-2	1,2-Dichloroeth	nane	0.00500U	0.00500	0.050	0.050	100	71 - 129	0.050	101	0	30
78-93-3	2-Butanone		0.00500U	0.00500	0.050	0.039 .	79	58 - 137	0.046	91	16	30
127-18-4	Tetrachloroeth	ene	0.00500U	0.00500	0.050	0.051	101	68 - 128	0.049	97	4	30
75-01-4	Vinyl chloride		0.00500U	0.00500	0.050	0.047	94	68 - 132	0.044	88	7	30
75-35-4	1,1-Dichloroeth	nene	0.00500U	0.00500	0.050	0.052	105	69 - 129	0.050	99	4	20
71-43-2	Benzene	•	0.00500U	0.00500	0.050	0.050	. 100	70 - 129	0.048	96	4	20
79-01-6	Trichloroethen	е	0.00500U	0.00500	0.050	0.055	109	76 - 129	0.050	101	10	20
108-90-7	Chlorobenzene	e	0.00500U	0.00500	0.050	0.048	97	74 - 123	0.048	96	0	20
Surrogate		•		•					· .			
460-00-4	4-Bromofluorol	benzene	50.5	101	50	51.5	103	62 - 130	51.7	103		
1868-53-7	Dibromofluoror	methane	52.2	104	50	54.5	109	65 - 127	53.1	106		
2037-26-5	Toluene d8		52.1	104	50	48.1	96	71 - 134	48.2	96		
17060-07-0	1,2-Dichloroeth	nane-d4	52.8	106	50	53	106	62 - 127	51.9	104		

Analytical Ba	atch 447304	Client ID	SOILS IN BERM AREA			904485MS			904485MSD				
Prep Ba	atch N/A	GCAL ID	21012101601			904862			904863				
		Sample Type	SAMPLE	SAMPLE			MS			MSD			
		Analytical Date	12/12/2010 16:31			12/12/2010 17:59			12/12/2010 18:21				
	-	Matrix	Solid			Solid			Solid		-		
21	SW-846 8260B TCLP		Units	mg/L	Spike	Result		Control	Result			RPD	
. 31			Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit	
56-23-5	Carbon tetrach	loride	0.00	0.200	2.00	2.26	113	76 - 128	2.15	108	5	30	
67-66-3	Chloroform		, 0.00	0.200	2.00	2.17	109	75 - 122	2.05	103	6	30	
107-06-2	1,2-Dichloroeth	ane	0.00	ọ.200	2.00	2.01	101	71 - 129	1.97	99	2	30	
78-93-3	2-Butanone		0.00	0.200	2.00	⁻ 1.60	80	58 - 137	1.64	82	2	30	
127-18-4	Tetrachloroethe	ene ·	0.00	0.200	2.00	2.05	103	68 - 128	1.91	96	7.	30	
75-01-4	Vinyl chloride		0.00	0.200	2.00	0.501	25*	68 - 132	0.494	25*	1	30	
75-35-4	1,1-Dichloroeth	ene	0.00	0.200	2.00	1.68	84	69 - 129	1.56	78	7	30	
71-43-2	Benzene		0.00	0.200	2.00	1.99	100	70 - 129	1.89	95	5	30	
79-01-6	Trichloroethene	•	0.00	0.200	2.00	2.12	106	76 - 129	2.03	102	4	30	

### GC/MS Volatiles Quality Control Summary

Analytical Bat	ch 447304	Client ID	SOILS IN BERM ARE	ĒΑ		904485MS			904485MSD			
Prep Bat	ch N/A	GCAL ID	21012101601			904862			904863		•	
		Sample Type	SAMPLE			MS ·		٠,	MSD			
		Analytical Date	12/12/2010 16:31			12/12/2010 17:59			12/12/2010 18:21			
	•	Matrix	Solid -			Solid			Solid			
SIA	/-846 8260B	TOLD	Units	mg/L	Spike	Result		Control	Result			RPD
SV	7-040 0200D	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
108-90-7	Chlorobenzene	;	0.00	0.200	2.00	1.97	99	74 - 123	1.90	95	4	30
Surrogate										- 12		
460-00-4	4-Bromofluorob	enzene	2080	104	2000	2070	104	62 - 130	2060	103		
1868-53-7	Dibromofluoron	nethane	2050	103	2000	2100	105	65 - 127	2050	103		
2037-26-5	Toluene d8	•	2080	104	2000	1940	97	71 - 134	1940	97		
17060-07-0	1,2-Dichloroeth	ane-d4	2110	106	2000	2080	104	62 - 127	2050	103		

### GC/MS Semi-Volatiles Quality Control Summary

<b>Analytical Batch</b>	447429	Client ID	MB447409	•		LCS447409			LCSD447409			
Prep Batch	447409	GCAL ID	905357			905358			905359			
Prep Method	3510C	Sample Type	Method Blank			LCS			LCSD -			
		Prep Date	12/14/2010 08:53		•	12/14/2010 08:53			12/14/2010 08:53			
		Analytical Date	12/14/2010 17:00		•	12/14/2010 17:15			12/14/2010 17:31			
		Matrix	Water			Water			Water			
CW	046 02700	TCLD	Units	mg/L	Spike	Danist.		Control	Deculé			RPD
344-	846 8270C	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
118-74-1	Hexachloroben	zene	0.0500U	0.0500	0.100	0.069	69	61 - 120	0.069	69	0	30
87-68-3	Hexachlorobuta	adiene	0.0500U	0.0500	0.100	0.066	66	17 - 120	0.067	67	2	30
67-72-1	Hexachloroetha	ane	0.0500U	0.0500	0.100	0.062	62	21 - 120	0.065	65	5	30
95-48-7	o-Cresol		0.0500U	0.0500	0.100	0.053	53	31 - 125	0.055	55	4	30
98-95-3	Nitrobenzene		0.0500U	0.0500	0.100	0.069	69	53 - 120	0.069	69	. 0	. 30
95-95-4	2,4,5-Trichlorop	phenol	0.0500U	0.0500	0.100	0.066	66	60 - 120	0.067	67	2	30
88-06-2	2,4,6-Trichloro	phenol	0.0500U	0.0500	0.100	0.063	63	59 - 120	0.066	66	5	30
110-86-1	Pyridine		0.0500U	0.0500	0.100	0.037	37	10 - 120	0.040	40	8,	30
1319-77-3	Cresols		0.1000U	0.1000	0.200	0.098	49	24 - 125	. 0.101	51	3	30
1319-77-3MP	m,p-Cresol	:	0.0500U	0.0500	0.100	0.043	43	24 - 125	0.045	45	5	30
106-46-7	1,4-Dichlorobe	nzene	0.0500U	0.0500	0.100	0.066	66	22 - 120	0.068	68	_ 3	30
121-14-2	2,4-Dinitrotolue	ene	0.0500U	0.0500	0.100	0.066	66	37 138	0.068	68	3	30
87-86-5	Pentachlorophe	enol	0.2500U	0.2500	0.100	0.058	58	25 - 158	0.057	57	2	30
Surrogate						4						
4165-60-0	Nitrobenzene-c	15	35.7	71	50	39.9	80	48 - 123	41.2	82		
321-60-8	2-Fluorobiphen	yl .	36.7	73	50	. 42	84	16 - 128	44.2	88		
1718-51-0	Terphenyl-d14		38.3	. 77	50	40.8	82	38 - 167	41.9	84	}	
4165-62-2	Phenol-d5		33	33	100	36.5	37	10 - 123	38.1	38	:	
367-12-4	2-Fluorophenol	1	47	47	100	54.6	55	10 - 120	56.2	56		
118-79-6	2,4,6-Tribromo	phenol	58.9	59	100	68.6	69	44 - 121	72	72	[	ĺ

Analytical Ba	atch 4474	129	Client ID	SOILS IN BERM AF	EA		904485MS			904485MSD			-
Prep Ba	atch 4474	109	GCAL ID	21012101601			905500		,	905501			
Prep Met	thod 3510	C	Sample Type	SAMPLE			мѕ		,	MSD			
			Prep Date	12/14/2010 08:53			12/14/2010 08:53		*	12/14/2010 08:53			
			Analytical Date	12/14/2010 19:31			12/14/2010 19:46			12/14/2010 20:01			
			Matrix	Solid			Solid			Solid			
91	M 946	9270C	TCLP	Units	mg/L	Spike	Result		Control	Result			RPD
, 3,	VV-040	02100	ICLE	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
118-74-1	Hexa	chlorober	zene	0.00	0.0500	0.500	0.345	69	61 - 120	0.381	76	10	30
87-68-3	Hexa	chlorobut	adiene	0.00	0.0500	0.500	0.323	65	17 - 120	0.344	69	6	30

### GC/MS Semi-Volatiles Quality Control Summary

<b>Analytical Batch</b>	447429	Client ID	SOILS IN BERM ARE	A		904485MS			904485MSD			
Prep Batch	447409	GCAL ID	21012101601			905500			905501			
Prep Method	3510C	Sample Type	SAMPLE			MS			MSD			
		Prep Date	12/14/2010 08:53			12/14/2010 08:53			12/14/2010 08:53			
		Analytical Date	12/14/2010 19:31			12/14/2010 19:46			12/14/2010 20:01		,	
	•	Matrix	Solid			Solid			Solid			
SIM S	346 8270C	TCLD	Units	mg/L	Spike	Result		Control	Booul4			RPD
344-0	940 0 <u>2</u> 700	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
67-72-1	Hexachloroeth	ane	0.00	0.0500	0.500	0.334	-67	21 - 120	0.354	71~	6	30
95-48-7	o-Cresol		0.00	0.0500	0.500	0.271	54	31 - 125	0.304	61	11	. 30
98-95-3	Nitrobenzene		0.00	0.0500	0.500	0.357	71	53 - 120	0.380	76	6	30
95-95-4	2,4,5-Trichloro	phenol	0.00	0.0500	0.500	0.348	70	60 - 120	0.378	76	8	30
88-06-2	2,4,6-Trichloro	phenol	0.00	0.0500	0.500	0.332	66	59 - 120	0.358	72	8	30
110-86-1	Pyridine		0.00	0.0500	0.500	0.242	48	10 - 120	0.250	50	3	30
1319-77-3	Cresols		0.00	0.1000	1.00	0.511	51	24 - 125	0.574	57	12	30
1319-77-3MP	m,p-Cresol		0.00	0.0500	0.500	0.232	46	24 - 125	0.263	53	13	30
106-46-7	1,4-Dichlorobe	nzene	0.00	0.0500	0.500	0.337	67	22 - 120	0.356	71	5	30
121-14-2	2,4-Dinitrotolue	ene `	0.00	0.0500	0.500	0.373	75	37 - 138	0.393	79	5	30
87-86-5	Pentachlorophe	enol	0.00	0.2500	0.500	0.316	63	25 - 158	0.339	68	7	30
Surrogate									,			
4165-60-0	Nitrobenzene-	15	212	85	250	208	83	48 - 123	201	80		
321-60-8	2-Fluorobipher	ıyl	213	85	250	216	86	16 - 128	210	84		
1718-51-0	Terphenyl-d14		189	76	250	197	79	38 - 167	195	78		
4165-62-2	Phenol-d5		183	37	500	186	37	10 - 123	179	36		
367-12-4	2-Fluoropheno	l	271	54	500	269	54	10 - 120	263	53	1	
118-79-6	2,4,6-Tribromo	phenol	370	74	500	382	76	44 - 121	351	70	-	

## General Chromatography Quality Control Summary

Analytical Ba	tch 447536	Client ID	MB447353		•	LCS447353			LCSD447353			
Prep Ba	tch 447353	GCAL ID	905060			905061			905062			
Prep Meth	od 3510C	Sample Type	Method Blank			LCS	•		LCSD			
		Prep Date	12/15/2010 10:55			12/15/2010 10:55			12/15/2010 10:55			
		Analytical Date	12/15/2010 20:05			12/15/2010 20:23			12/15/2010 20:42			.
		Matrix	Water			Water			Water			
	SW-846 808	22 A	Units	ug/L ·	Spike	Result		Control	Result			RPD
,	344-040 000	)ZA	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
11104-28-2	Aroclor-1221		1.00U	1.00			Ī					
11141-16-5	Aroclor-1232		1.00U	1.00								
53469-21-9	Aroclor-1242		1.00U	1.00							,	
12672-29-6	Aroclor-1248		1.00U	1.00								
11097-69-1	Aroclor-1254		1.00U	1.00		,						
12674-11-2	Aroclor-1016		1.00U	1.00	4.00	3.65	91	57 - 130	4.13	103	12	35
11096-82-5	Aroclor-1260		1.00U	.1.00	4.00	3.64	91	55 - 130	4.05	101	11	34
Surrogate												
2051-24-3	Decachlorobipl	nenyl	.336	67	5	.351	70	·30 - 139	.319	64		

### General Chromatography Quality Control Summary

Analytical Batch	447615	Client ID	MB447363			LCS447363			LCSD447363			
Prep Batch	447363	GCAL ID	905166			905167			905168			
Prep Method	TNRCC 1005	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	12/14/2010 11:00		4	12/14/2010 11:00			12/14/2010 11:00			
		Analytical Date	12/16/2010 14:46			12/16/2010 15:20			12/16/2010 15:56			
	,	Matrix	Solid			Solid			Solid			
TV100E U	drooarbor	as by Banga	Units	ug/Kg	Spike	Desuit		Control	Result			RPD
I A I UUS My	drocarboi	ns by Range	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
GCSV-05-01	C6-C12	-	50000U	50000		way, I wang yeren						
GCSV-05-02	>C12-C28		50000U .	50000		•			,			
GCSV-05-03	>C28-C35		50000U	50000			<u> </u>					
GCSV-05-04	Total TPH (C6-	C35)	50000U	50000	198000	190000	96	75 - 125	182000	91	4	20
Surrogate							1					
84-15-1	o-Terphenyl		40800	82	49500	49000	99	58 - 148	40200	80		

Analytical Batch	447615	Client ID	SOILS IN BERM ARE	ĒA		904485MS			904485MSD			
Prep Batch	447363	GCAL ID	21012101601			905169			905170			
Prep Method	TNRCC 1005	Sample Type	SAMPLE			MS			MSD		•	
		Prep Date	12/14/2010 11:00			12/14/2010 11:00			12/14/2010 11:00			
•		Analytical Date	12/16/2010 18:18			12/16/2010 18:54			12/16/2010 19:28	•		
•		Matrix	Solid			Solid			Solid			
TX1005 Hyd	drocarbor	ns by Range	Units Result	ug/Kg <b>RDL</b>	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
GCSV-05-04 T	rotal TPH (C6-	C35)	825000	50000	200000	1390000	284*	75 - 12	1090000	132*	24*	20
84-15-1 o	o-Terphenyi		44500 .	89	50000	42400	85	58 - 14	42700	85		İ

# Inorganics Quality Control Summary

Analytical Batch	447501	Client ID	MB447424		*	LCS447424		
Prep Batch	447424	GCAL ID	905406			905407		
Prep Method	SW-846	Sample Type	Method Blank	*		LCS		
	3010A	Prep Date	12/14/2010 10:35			12/14/2010 10:35		
		Analytical Date	12/15/2010 16:42			12/15/2010 16:49		
		Matrix	Water ·			Water		
S/W/S	346 6010E	TOLD	Units	mg/L	Spike	Result		Control
344-0	940 00 101	CLF	Result	RDL	Added	Kesuit	% R	Limits % R
7440-36-0	Antimony		0.060U	0.060	0.50	0.49	99	80 - 120
7440-38-2	Arsenic	•	0.20U	0.20	0.50	0.51	102	80 - 120
7440-39-3	Barium		0.081B	1.00	0.50	0.57	115	80 - 120
7440-43-9	Cadmium		0.00028B	0.010	0.50	0.49	99	80 - 120
7440-47-3	Chromium		0.0019B	0.050	0.50	0.47	95	. 80 -, 120
7440-50-8	Copper		0.0035B	0.020	0.50	0.51	102	80 - 120
7439-92-1	Lead		0.0059B	0.10	0.50	0.49	98	80 - 120
7440-02-0	Nickel		0.0021B	0.040	0.50	0.47	95	80 - 120
7782-49-2	Selenium		0.015B	0.10	0.50	0.56	111	80 - 120
7440-22-4	Silver	1	0.0017B	0.050	0.50	0.49	98	80 - 120

Analytical Batch	447501	Client ID	HAZ BARGE CLEAN	ING SOLIDS		905123MS		
Prep Batch	447424	GCAL ID	21012131101			905409		
Prep Method	I SW-846	Sample Type	SAMPLE			MS		
	3010A	Prep Date	12/14/2010 10:35	• •		12/14/2010 10:35		
		Analytical Date	12/15/2010 16:56			12/15/2010 17:10		
		Matrix	Solid			Solid		
SW.	846 6010B	TCLD	Units	mg/L .	Spike	Result		Control
344-	040 00 10 <b>0</b>	) ICLP,	Result	RDL	Added	Result	% R	Limits % R
7440-36-0	Antimony		0.0	0.30	0.50	0.48	97	75 - 125
7440-38-2	Arsenic		0.0	1.00	0.50	0.50	101	75 - 125
7440-39-3	Barium '		0.44	5.00	0.50	0.96	102	75 - 125
7440-43-9	Cadmium		0.0010	0.050	0.50	0.51	101	75 - 125
7440-47-3	Chromium		0.0	0.25	0.50	0.50	100	75125
7440-50-8	Copper		0.0	0.10	0.50	0.52 -	103	75 - 125
7439-92-1	Lead		0.015	0.50	0.50	0.51	. 99	75 - 125
7440-02-0	Nickel	•	0.37	0.20	0.50	0.89	104	75 - 125
7782-49-2	Selenium		0.0095	0.50	0.50	0.51	100	75 - 125
7440-22-4	Silver		0.0072	0.25	0.50	0.50	98	75 - 125

# Inorganics Quality Control Summary

Analytical Batch	447501	Client ID	HAZ BARGE CLEAN	NING SOLIDS	905123DUP		
Prep Batch	447424	GCAL ID	21012131101		905408		
Prep Method	SW-846	Sample Type	SAMPLE		DUP		
	3010A	Prep Date	12/14/2010 10:35		12/14/2010 10:35		
		Analytical Date	12/15/2010 16:56		12/15/2010 17:03		
		Matrix	Solid		Solid		
S/V/ S	346 6010E	TCLD	Units	mg/L	Result		RPD
344-0	340 00 101	) ICLF	Result	RDL	Result	RPD	Limit
7440-36-0	Antimony		0.0	0.30	0.0	0	20
7440-38-2	Arsenic		0.0	1.00	0.0	0	20
7440-39-3	Barium	•	0.44	5.00	.0.46	4	20
7440-43-9	Cadmium		0.0010	0.050	0.00012	157*	20
7440-47-3	Chromium		0.0	0.25	0.0027	200*	20
7440-50-8	Copper		0.0	0.10	0.0	,0	20
7439-92-1	Lead		0.015	0.50	0.0059	87*	20
7440-02-0	Nickel	•	0.37	0.20	0.39	5	20
7782-49-2	Selenium		0.0095	0.50	0.0	200*	_ 20
7440-22-4	Silver		0.0072	0.25	0.0023	103*	20

# Inorganics Quality Control Summary

Analytical Batch	447395	Client ID	MB447425	×		LCS447425		
Prep Batch	447425	GCAL ID	905411			905412		
Prep Method	SW-846	Sample Type	Method Blank			LCS		
	7470A	Prep Date	12/14/2010 10:35			12/14/2010 10:35		
		Analytical Date	12/15/2010 14:47			12/15/2010 14:52		
		Matrix	Water			Water	-	
S/A/ S	46 7470A	TCLD	Units	mg/L	Spike	Result		Control
344-0	40 /4/UA	ICLF	Result	RDL	Added	Result	% R	Limits % R
7439-97-6	Mercury		0.0020U	0.0020	0.00500	0.00512	102	80 - 120

7439-97-6	Mercury	**	0.00000	0.0020	0.00500	0.00532	106	75 - 125
SW-8	46 7470 <i>F</i>	TCLP	Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R
		Matrix	Solid .			Solid		
		Analytical Date	12/15/2010 14:53	•		12/15/2010 14:56		
	7470A	Prep Date	12/14/2010 10:35			12/14/2010 10:35		
Prep Method	SW-846	Sample Type	SAMPLE		•	MS		
Prep Batch	447425	GCAL ID	21012131101			905414		
Analytical Batch	447395	Client ID	HAZ BARGE CLEAN	IING SOLIDS		905123MS		

Analytical Batch	447395	Client ID	HAZ BARGE CLEAN	ING SOLIDS	905123DUP	-	
Prep Batch	447425	GCAL ID	21012131101	•	905413		
Prep Method	SW-846	Sample Type	SAMPLE DUP		DUP		
7470A Prep Date		12/14/2010 10:35		12/14/2010 10:35			
Analytical Date		12/15/2010 14:53		12/15/2010 14:55			
	. =	Matrix=	-Solid		-Solid		-
SW 9	46 74704	TCLD	Units	mg/L	Result		RPD
SW-846 7470A TCLP		Result	RDL	Result	RPD	Limit	
7439-97-6	Mercury		0.00000	0.0020	0.00000	0	20

### General Chemistry Quality Control Summary

57-12-5R	Reactivity Cyar	nide	250U	250	250	25.6	10	1 -	25
SW-846 9012A Reactivity CN		Result	RDL	Added	Result	% R	Limits '	% R	
SW 946 0	CM 946 00424 Pagetivity CN		Units	mg/kg	Spike	Daguila		Contr	ol o
		Matrix	Solid			Solid			
		Analytical Date	12/10/2010 16:25			12/10/2010 16:26			
		Prep Date	12/10/2010 14:00 12/1		12/10/2010 14:00				
Prep Method	7.3.3.2	Sample Type	Method Blank LCS				•		
Prep Batch	447140	GCAL ID	903952	•		903953			
Analytical Batch	447274	. Client ID	MB447140	•		LCS447140			

CW 046 (	0040A D-	activity CN	Units	mg/kg	Result	T	RPD
		Matrix	Solid		Solid		
	Analytical Date   12/10/2010 16:33			12/10/2010 16:34			
Prep Date		12/10/2010 14:00		12/10/2010 14:00			
Prep Method	7.3.3.2	Sample Type	SAMPLE		DUP		
Prep Batch	447140	GCAL ID	21012084002		903954		
Analytical Batch	447274	Client ID	GPT-120710-PM-001		903884DUP		

# General Chemistry Quality Control Summary

Analytical Batch	447342	Client ID	MB447141			LCS447141		
Prep Batch	447141	GCAL ID	903955			903956		
Prep Method	Sec 7.3.4.2	Sample Type	Method Blank			LCS		
		` Prep Date	12/10/2010 14:00		12/10/2010 14:00			
		Analytical Date	12/13/2010 11:25			12/13/2010 11:25		•
		Matrix	Solid			Solid		
SW-846 9034 Reactivity Sulfide		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	
18496-25-8R F	Reactivity Sulfic	de	80U	80	537	417	77.7	20 - 114

18496-25-8R	Reactivity Sulfi	de	0	80	0	0	25
SW-846 9034 Reactivity Sulfide		Units Result	mg/kg <b>RDL</b>	Result	RPD	RPD Limit	
		Matrix	Solid		Solid .		
		Analytical Date	12/13/2010 11:25	•	12/13/2010 11:25		
		Prep Date	12/10/2010 14:00		12/10/2010 14:00	3	
Prep Method	Sec 7.3.4.2	Sample Type	SAMPLE		DUP		
Prep Batch	447141	GCAL ID	21012084002		903957		
Analytical Batch	447342	Client ID	GPT-120710-PM-001		903884DUP		

MAT	Chain of Cus	stody Reco	rd		
ANALY COAST ANALYTICAL LABORATORIES, MC		Columbos	4742	210121016	1221-10
7979 GSRI AVE, BATON ROUGE LA 70820-7402 (225) 769-4900 FAX (225) 767-5717	Client Name		Client#	Group#	Due Date
Report to: Client: College Man Contact: 1049 MAA C	Client: Columbia  Address:  Contact:	EST 101, m	Analysical Requests & Mi	ethods O.9	
Phone: 281-740-6607  Fax:  P.O. Number	Phone: Fax:  Fax:  Freeport TX 68	SOL ST	Clicial Anti-		
Matrix Date Time C G G Sample De Soi/S	0 1	Pre- No. Serva- Contives tainers	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Remarks:	Lab ID
W 148 3:00 V PCB7	IN BERM HILLA. UNSFORMEN WASH	NI	X		2
Turn Around Time: 24 - 48 hrs	3 days	1 wea	ek standard	other	
Relinquished by: (Signature)  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)  Received by: (Signature)		7 cW = Time:	lote:   Mai   Meso   Luai   Meso   Luao gal   v submitting these samples,	CLCTS Columbiaenvila you agree to the terms and	Po. Com.

conditions contained in our most recent schedule of services.

### **ANALYTICAL RESULTS**

**PERFORMED BY** 

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 12/20/2010

**GCAL Report** 210121016



**Deliver To** Columbia Environmental Services, Inc. 13222 Reeveston Road Houston, TX 77039 713-400-5651

Attn Tony Maag

Project Gulfco Freeport, TX

#### **CASE NARRATIVE**

Client: Columbia Environmental Services, Inc. Report: 210121016.

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### **VOLATILES MASS SPECTROMETRY**

In the SW-846 1311/8260B analysis, a dilution factor of 40 was performed for sample 21012101601 (SOILS IN BERM AREA). The reporting limits are at or below the regulatory limits at this dilution.

In the SW-846 1311/8260B analysis for analytical batch 447304, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries are acceptable.

#### SEMI-VOLATILES GAS CHROMATOGRAPHY

In the TX1005 analysis for prep batch 447363, the MS/MSD recoveries and RPD are not applicable due to the high concentration of TPH in the spiked sample. The LCS/LCSD recoveries are acceptable.

#### **METALS**

In the SW-846 1311/6010B analysis, sample 21012101601 (SOILS IN BERM AREA) was analyzed at a dilution. The reporting limits are at or below the regulatory limits at this dilution.

In the SW-846 1311/6010B analysis for prep batch 447424, the Sample/Duplicate RPD for Cadmium, Chromium, Lead, Selenium and Silver is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

#### Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit

00:00 Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
В	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
В	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues Technical Director	
GCAL REPORT 210121016	•
THE PERSON OF THE PROPERTY OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF	51050
THIS REPORT CONTAINS	PAGES

# Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012101601	SOILS IN BERM AREA	Solid	12/08/2010 15:00	12/10/2010 08:40
21012101602	PCB TRANSFORMER WASH WATER	Water	12/08/2010 15:00	12/10/2010 08:40

# Summary of Compounds Detected

GCAL ID 21012101601	Client ID SOILS IN BERM AREA	Matrix         Collect Date/Tim           Solid         12/08/2010 15:00	野 とがわりにとれ 二世代 けいおは プラス アンジャバ	ceive Date/Time /10/2010 08:40	
SW-846 6010	OB TCLP	10 Aug 2 2 20 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
CAS#	Parameter	Result	RDL	MDL	Units
7440-39-3	Barium	1.10B	5.00	0.00055	mg/L
7440-43-9	Cadmium	0.0028B	0.050	0.00055	mg/L
7440-02-0	Nickel	0.0076B	0.20	0.0048	mg/L
TX1005 Hydr	ocarbons by Range		: 		,
CAS#	Parameter	Result	RDL	MDL	Units
GCSV-05-02	>C12-C28	384000	50000	4350	ug/Kg
GCSV-05-03	>C28-C35	416000	50000	4350	ug/Kg
GCSV-05-01	C6-C12	24600J	50000	4450	ug/Kg
GCSV-05-04	Total TPH (C6-C35)	825000	50000	4350	ug/Kg

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그는 하게 되었다. 학생들에게 그는 사용을 선생님들이라는 모모님을 받는 모임이 없었다.	world (1987년 1982년의 대로양한 SINSTERN HOLDERS 전 1982년 1982년 1982년 1	전에 가장하게 되었다. 레이트 : 이번 사용한 보고 있는데 15일 이번 보고 있다. 하는데 16일 (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995)
21012101601 SOILS IN BERM AREA	Solid 12/08/2010 15:0	0 2
The first that the market about the engineering property from the best of		

### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	Analyzed 12/12/2010 16:31		Analytical Batch 447304	
CAS#	Parameter		Result	RDL		MDL	Units
75-35-4	1,1-Dichloroethene		0.200U	0.200	. 0	.00656	mg/L
107-06-2	1,2-Dichloroethane		0.200U	0.200	C	.00344	mg/L
78-93-3	2-Butanone		0.200∪	0.200	C	.00373	mg/L
71-43-2	Benzene		0.200U	0.200	C	.00217	mg/L
56-23-5	Carbon tetrachloride		0.200U	0.200	0	.00592	mg/L
108-90-7	Chlorobenzene	7	0.200U	0.200	O	.00110	mg/L
67-66-3	Chloroform		0.200U	0.200	0	.00226	. mg/L
127-18-4	Tetrachloroethene		0.200U	0.200	0	.00484	mg/L
79-01-6	Trichloroethene		0.200U	0.200	0	.00247	mg/L
75-01-4	Vinyl chloride	•	0.200U	0.200	0	.00372	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recov	ery Rec	: Limits
460-00-4	4-Bromofluorobenzene	2000	2080	ug/L		104 6:	2 - 130
1868-53-7	Dibromofluoromethane	2000	2050	ug/L		103 6	5 - 127
2037-26-5	Toluene d8	2000	2080	ug/L		104 7	1 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	2110	ug/L		106 6	2 - 127

### SW-846 8270C TCLP

Prep Date 12/14/2010 08	Prep Batch 3:53 447409	Prep Method 3510C	Dilution 1	<b>Analyzed</b> 12/14/2010 19:31	By JEW	Analytical Batc 447429	h
CAS#	Parameter		Result	RDL		MDL	Units
106-46-7	1,4-Dichlorobenzene		0.0500U	0.0500		0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol		0.0500U	0.0500		0.0006	mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500		0.0008	mg/L
121-14-2	2,4-Dinitrotoluene		0.0500U	0.0500		0.0012	mg/L
1319-77-3	Cresols		0.1000ป	0.1000		0.0024	mg/L
118-74-1	Hexachlorobenzene	•	0.0500U	0.0500		0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500		0.0011	mg/L
67-72-1 .	Hexachloroethane		0.0500U	0.0500		0.0055	mg/L
98-95-3	Nitrobenzene		0.0500U	0.0500		0.0011	mg/L
87-86-5	Pentachlorophenol		0.2500U	0.2500		0.0076	mg/L
110-86-1	Pyridine		0.0500U	0.0500		0.0077	mg/L
1319-77-3MP	m,p-Cresol		0.0500U	0.0500		0.0017	mg/L
95-48-7	o-Cresol		0.0500U	0.0500		0.0009	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Rec	overy Re	ec Limits
4165-60-0	Nitrobenzene-d5	250	212	ug/L		85 ·	48 - 123
321-60-8	2-Fluorobiphenyl	250	213	ug/L		85	16 - 128
1718-51-0	Terphenyl-d14	250	189	ug/L		76	38 - 167
4165-62-2	Phenol-d5	500	183	ug/L		37	10 - 123
367-12-4	2-Fluorophenol	500	271	ug/L		54	10 - 120
118-79-6	2,4,6-Tribromophenol	500	370	ug/L		74	44 - 121

1005 Hydro	ocarbons by Rang	ae					
Prep Date 12/14/2010 11:0	Prep Batch	Prep Method TNRCC 1005	Dilution 1	Analyzed 12/16/2010 18:18	<b>By</b> SMH	Analytica 447615	l Batch
CAS#	Parameter		Result	RDL		· MDL	U
GCSV-05-02	>C12-C28		384000	50000		4350	ug
GCSV-05-03	>C28-C35	•	416000	50000		4350	ug
GCSV-05-01	C6-C12		24600J	50000		4450	ug
GCSV-05-04	Total TPH (C6-C35)		825000	50000		4350	ug
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Re	covery	Rec Lin
84-15-1	p-Terphenyl	50000	44500	ug/Kg		89	58 -
				-33			
/-846 6010	B TCL P			,		•	
Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	 Ву	Analytica	l Batch
12/14/2010 10:3		SW-846 3010A	. 5	12/15/2010 18:09	AJW	447501	. Duton
CAS#	Parameter	,	Result	RDL		MDL.	Ui
7440-36-0	Antimony		0.30U	0.30		0.020	m
7440-38-2	Arsenic		1.00U	1.00		0.013	· m
7440-39-3	Barium.		1.10B	5.00		0.00055	m
7440-43-9	Cadmium		0.0028B	0.050		0.00055	m
7440-47-3	Chromium	·	0.25U	0.25		0.0017	, m
7440-50-8	Copper		0.10U	0.10		0.0069	m
7439-92-1	Lead		0.50U	0.50		0.0070	m
7440-02-0	Nickel		0.0076B	0.20		0.0048	m
7782-49-2	Selenium		0.50U	0.50		0.022	m
7440-22-4	Silver		0.25U	0.25		0.0030	m
		_		!			
/-846 7470	A TCLP			4	_		
Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	Ву	Analytica	l Batch
12/14/2010 10:3	35 447425	SW-846 7470A	1	12/15/2010 15:04	AJW	447395	
CAS#	Parameter		Result	RDL		MDL	U
7439-97-6	Mercury		0.0020U	0.0020		0.000081	· m
	÷			·			
	A Reactivity CN	,			· 		,
Prep Date 12/10/2010 14:0	Prep Batch 00 447140	Prep Method 7.3.3.2	Dilution 1	<b>Analyzed</b> 12/10/2010 16:35	<b>By</b> AEL	Analytica 447274	I Batch
CAS#	Parameter		Result	RDL		MDL	Uı
	Reactivity Cyanide		250U	250		250	mg

GCAL ID Client ID Matrix Collect Date/Time Receive Date/Time 21012101601 SOILS IN BERMAREA Solid 12/08/2010 15:00 12/10/2010 08:40

### SW-846 9034 Reactivity Sulfide

Prep Date 12/10/2010 14:00	Prep Batch 3 447141	Prep Method Sec 7.3.4.2	•	Dilution 1	Analyzed 12/13/2010 11:25	By JEM	Analytical Batch 447342	
CAS#	Parameter		:	Result	RDL		MDL	Units
18496-25-8R	Reactivity Sulfide			80U	80		80	mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID Client ID Matrix Collect Date/Time Receive Date/Time 21012101602 PCB TRANSFORMER WASH WATER Water 12/08/2010 15:00 12/10/2010 08:40

### SW-846 8082A

Prep Date 12/15/2010 1	<b>Prep Batch</b> 0:55 447353	Prep Method 3510C	Dilution 1	Analyzed 12/15/2010 21:00	By Analytica TLS 447536	ll Batch
CAS#	Parameter		Result	RDL	MDL	Units
12674-11-2	Aroclor-1016		1.28U	1.28	0.431	ug/L
11104-28-2	Aroclor-1221		1.28U	1.28	0.285	ug/L
11141-16-5	Aroclor-1232		1.28U	1.28	0.129	. ug/L
53469-21-9	Aroclor-1242		1.28U	1.28	0.217	ug/L
12672-29-6	Aroclor-1248	•	1.28U	1.28	0.131	ug/L
11097-69-1	Aroclor-1254	•	- 1.28U	1.28	0.110	ug/L
11096-82-5	Aroclor-1260		1.28U	1.28	0.338	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
2051-24-3	Decachlorobiphenyl	.641	.194	ug/L	30	30 - 139

## GC/MS Volatiles Quality Control Summary

Analytical Batch	447304	Client ID	MB447304			LCS447304			LCSD447304			
Prep Batch	N/A	GCAL ID	904859			904860			904861			
		Sample Type	Method Blank	•		LCS			LCSD			
		Analytical Date	12/12/2010 15:21		ı	12/12/2010 14:10			12/12/2010 14:37			Ì
		Matrix	Water			Water			Water			
SW/	846 8260B	TCLD	Units	mg/L	Spike	Result		Control	Result			RPD
344-0	040 02000	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	%Ŕ	RPD	Limit
56-23-5	Carbon tetrach	loride	0.00500U	0.00500	0.050	0,057	114	76 - 128	0.056	111	2	30
67-66-3	Chloroform	-	0.00500U	0.00500	0.050	0.053	106	75 - 122	0.052	103	. 2	30
107-06-2	1,2-Dichloroeth	nane	0.00500U	0.00500	0.050	0.050	100	71 - 129	0.050	101	. 0	. 30
78-93-3	2-Butanone		0.00500U	0.00500	0.050	0.039	79	58 - 137	0.046	91	16	30
127-18-4	Tetrachloroethe	ene	0.00500U	0.00500	0.050	0.051	101	68 - 128	0.049	97	4	30
75-01-4	Vinyl chloride		0.00500U	0.00500	0.050	0.047	94	68 - 132	0.044	88	7	30
75-35-4	1,1-Dichloroeth	nene	0.00500U	0.00500	0.050	0.052	105	69 - 129	0.050	99	4	20
71-43-2	Benzene		0.00500U	0.00500	0.050	0.050	100	70 - 129	0.048	96	4	20
79-01-6	Trichloroethene	Э	0.00500U	0.00500	0.050	0.055	109	76 - 129	0.050	101	10	20
108-90-7	Chlorobenzene		0.00500U	0.00500	0.050	0.048	97	74 - 123	0.048	96	0	20
Surrogate		•	,									
460-00-4	4-Bromofluorol	oenzene	50.5	101	50	51.5	103	62 - 130	51.7	103		
1868-53-7	Dibromofluoror	nethane	52.2	104	50	54.5	109	65 - 127	53.1	106		
2037-26-5	Toluene d8		52.1	104	50	48.1	96	71 - 134	48.2	96		
17060-07-0	1,2-Dichloroeth	nane-d4	52.8	106	50	53	106	62 - 127	51.9	104		

Analytical Batch 4	47304	Client ID	SOILS IN BERM ARE	A		904485MS			904485MSD			
Prep Batch N	1/A	GCAL ID	21012101601			904862		'	904863			
		Sample Type	SAMPLE			MS			MSD.			
		Analytical Date	12/12/2010 16:31			12/12/2010 17:59			12/12/2010 18:21			
		Matrix	Solid			Solid		•	Solid			
SW-84	6 8260B	TCI P	Units	mg/L	Spike	Result		Control	Result			RPD
344-04	02000	ICL	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
56-23-5 / Ca	arbon tetrachl	oride	0.00	0.200	2.00	2.26	113	76 - 128	2.15	108	5	30
67-66-3 Ch	hloroform		0.00	0.200	2.00	2.17	109	75 - 122	2.05	103	6	30
107-06-2 1,2	2-Dichloroeth	ane	0.00	0.200	2.00	2.01	101	71 - 129	1.97	99	2	30
78-93-3 2-1	Butanone		0.00	0.200	2.00	1.60	80	58 - 137	1.64	82	2	30
127-18-4 Te	etrachloroethe	ne	0.00	0.200	2.00	2.05	103	68 - 128	1.91	96	7	30
75-01-4 Vir	nyl chloride	•	0.00	0.200	2.00	0.501	25*	68 - 132	0.494	25*	1	30
75-35-4 1,1	1-Dichloroeth	ene	0.00	0.200	2.00	1.68	84	69 - 129	1.56	78	7	30
71-43-2 Be	enzene		0.00	0.200	2.00	1.99	100	70 - 129	1.89	95	5	30
79-01-6 · Tri	ichloroethene	P	0.00	0.200	2.00	2.12	106	76 - 129	2.03	102	4	30

# GC/MS Volatiles Quality Control Summary

Analytical Bat	ch 447304	Client ID	SOILS IN BERM AR	EA		904485MS			904485MSD		,	
Prep Bat	ch N/A	GCAL ID	21012101601			904862			904863			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	12/12/2010 16:31			12/12/2010 17:59			12/12/2010 18:21		•	
		Matrix	Solid			Solid			Solid			
SW	/-846 8260B	TCLP	Units Result	mg/L <b>RDL</b>	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
108-90-7 Surrogate	Chlorobenzene	}	0.00	0.200	2.00	1.97	99	74 - 123	1.90	95	4	30
460-00-4	4-Bromofluorok	penzene	2080	104	2000	2070	104	62 - 130	2060	103		
1868-53-7	Dibromofluoror	nethane	2050	103	2000	2100	105	65 - 127	2050	103		
2037-26-5	Toluene d8		2080	104	2000	1940	97	71 - 134	1940	97		]
17060-07-0	1,2-Dichloroeth	ane-d4	2110	106	2000	2080	104	62 - 127	2050	103		

## GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	447429	Client ID	MB447409			LCS447409			LCSD447409			-
Prep Batch	447409	GCAL ID	905357			905358			905359			
Prep Method	3510C	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	12/14/2010 08:53			12/14/2010 08:53			12/14/2010 08:53			
	,	Analytical Date	12/14/2010 17:00			12/14/2010 17:15			12/14/2010 17:31			
		Matrix	Water			Water			Water			
CVA	046 00706	TOLD	Units	mg/L	Spike	D		Control	- "			RPD
244-	846 8270C	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
118-74-1	Hexachioroben	zene	0.0500U	0.0500	0.100	0.069	69	61 - 120	0.069	69	0	30
87-68-3	Hexachlorobuta	adiene	0.0500U	0.0500	0.100	0.066	66	17 - 120	0.067	67	2	30
67-72-1	Hexachloroetha	ane	0.0500∪	0.0500	0.100	0.062	62	21 - 120	0.065	65	5	30
95-48-7	o-Cresol		0.0500U	0.0500	0.100	0.053	53	31 - 125	0.055	55	4	30
98-95-3	Nitrobenzene		0.0500U	0.0500	0.100	0.069	69	53 - 120	0.069	69	0	30
95-95-4	2,4,5-Trichloro	phenol	0.0500U	0.0500	0.100	0.066	66	60 - 120	0.067	67	2	30
88-06-2	2,4,6-Trichloro	phenol	0.0500U	0.0500	0.100	0.063	63	59 - 120	0.066	66	5	30
110-86-1	Pyridine		0.0500U	0.0500	0.100	0.037	37	10 - 120	0.040	40	8	30
1319-77-3	Cresols		0.1000U	0.1000	0.200	0.098	49	24 - 125	0.101	51	3	30
1319-77-3MP	m,p-Cresol		0.0500U	0.0500	0.100	0.043	43	24 - 125	0.045	45	5	30
106-46-7	1,4-Dichlorobe	nzene	0.0500U	0.0500	0.100	0.066	66	22 - 120	0.068	68	3	30
121-14-2	2,4-Dinitrotolue	ene .	0.0500U	0.0500	0.100	0.066	66	37 - 138	0.068	68	3	30
87-86-5	Pentachlorophe	enol	0.2500U	0.2500	0.100	0.058	58	25 - 158	0.057	57	2	30
Surrogate		•								l	i	
4165-60-0	Nitrobenzene-c	<b>1</b> 5	35.7	71	50	39.9	80	48 - 123	41.2	82		1
321-60-8	2-Fluorobiphen	ıyl	36.7	73	50	42	84	16 - 128	44.2	88		
1718-51-0	Terphenyl-d14		38.3	77	50	40.8	82.	38 - 167	41.9	84	<b>.</b>	
4165-62-2	Phenol-d5		33	33	100	36.5	37	10 - 123	38.1	38		1
367-12-4	2-Fluoropheno	I	47	47	100	54.6	55	10 - 120	56.2	56		
118-79-6	2,4,6-Tribromo	phenol	58.9	59	100	68.6	69	44 - 121	72	72		

Analytical	Batch	447429	Client ID	SOILS IN BERM ARE	A		904485MS			904485MSD			<u> </u>
Prep	Batch	447409	GCAL ID	21012101601			905500			905501			*
Prep M	lethod	3510C	Sample Type	SAMPLE			MS			MSD			
			Prep Date	12/14/2010 08:53			12/14/2010 08:53			12/14/2010 08:53			
,			Analytical Date	12/14/2010 19:31			12/14/2010 19:46			12/14/2010 20:01			
İ			Matrix	Solid			Solid			Solid			
	SW-8	346 82700	TCLP	Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
118-74-1		Hexachlorobe	nzene	0.00	0.0500	0.500	0.345	69	61 - 120	0.381	76	10	30
87-68-3		Hexachlorobu	adiene	0.00	0.0500	0.500	0.323	65	17 - 120	· 0.344	69	6.	30

## GC/MS Semi-Volatiles Quality Control Summary

<b>Analytical Batch</b>	447429	Client ID	SOILS IN BERM ARE	ΞA		904485MS			904485MSD			
Prep Batch	447409	GCAL ID	21012101601		•	905500			905501			
Prep Method	3510C	Sample Type	SAMPLE			MS			MSD			
		Prep Date	12/14/2010 08:53			12/14/2010 08:53			12/14/2010 08:53			. 1
		Analytical Date	12/14/2010 19:31			12/14/2010 19:46			12/14/2010 20:01			
		Matrix	Solid	•	•	Solid			Solid			
CIM S	846 8270C	TCLD	Units	mg/L	Spike	Result		Control	Result	i		RPD
344-	040 02/00	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
67-72-1	Hexachloroeth	ane	0.00	0.0500	0.500	0.334	67	21 - 120	0.354	71	6	30
95-48-7	o-Cresol		0.00	0.0500	0.500	0.271	. 54	31 - 125	0.304	61	11	30
98-95-3	Nitrobenzene		0.00	0.0500	0.500	0.357	71	53 - 120	0.380	76	6	30
95-95-4	2,4,5-Trichloro	phenol .	0.00	0.0500	0.500	0.348	70	60 - 120	0.378	76	8	30
88-06-2	2,4,6-Trichloro	phenol	0.00	0.0500	0.500	0.332	66	59 - 120	0.358	72	8	30
110-86-1	Pyridine		0.00	0.0500	0.500	0.242	48	10 - 120	0.250	50	. 3	30
1319-77-3	Cresols	•	0.00	0.1000	1.00	· i 0.511	51	24 - 125	0.574	57	12	30
1319-77-3MP	m,p-Cresol	•	0.00	0.0500	0.500	0.232	46	24 - 125	0.263	53	13	30
106-46-7	1,4-Dichlorobe	nzene -	0.00	0.0500	0.500	0.337	67	22 - 120	0.356	71	5	30
121-14-2	2,4-Dinitrotolue	ene	0.00	0.0500	0.500	0.373	75	37 - 138	0.393	79	5	30
87-86-5	Pentachloroph	enol	0.00	0.2500	0.500	0.316	63	25 - 158	0.339	68	7	:30
Surrogate												
4165-60-0	Nitrobenzene-	d5	212	85	250	208	83	48 - 123	201	80		
321-60-8	2-Fluorobipher	ıyl	213	85	250	216	86	16 - 128	210	84		
1718-51-0	Terphenyl-d14	ř	189	76	250	197	79	38 - 167	195	78	<b>'</b> .	1.
4165-62-2	Phenol-d5		183	37	500	. 186	37	10 - 123	179	36		
367-12-4	2-Fluoropheno		271	54	500	269	54	10 - 120	263	53		
118-79-6.	2,4,6-Tribromo	phenol	370	74	500	382	76	44 - 121	351	70		

## General Chromatography Quality Control Summary

Analytical Batch	447536	Client ID	MB447353			LCS447353			LCSD447353		~	
Prep Batch	447353	GCAL ID	905060			905061			905062			
Prep Method	3510C	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	12/15/2010 10:55			12/15/2010 10:55			12/15/2010 10:55			
		Analytical Date	12/15/2010 20:05			12/15/2010 20:23		,	12/15/2010 20:42	•		
		Matrix	Water			Water			Water			
-	W-846 808	22 A	Units	ug/L	Spike	Result		Control	Result			RPD
	VV-040 000	)ZA	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
11104-28-2	Aroclor-1221		1.000	1.00		3 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100	-					
11141-16-5	Aroclor-1232		1.00U	1.00					,			ļ.
53469-21-9	Aroclor-1242		1.00U	1.00	,		1					
12672-29-6	Aroclor-1248		1.00U	1.00		•						
11097-69-1	Aroclor-1254		1.00U	1.00								
12674-11-2	Aroclor-1016		1.00U	1.00	4.00	3.65	91	57 - 130	4.13	103	12	35
11096-82-5	Aroclor-1260		1.00U	1.00	4.00	3.64	91	55 - 130	4.05	101	11,	- 34
Surrogate							ļ					
2051-24-3	Decachlorobiph	nenyl	.336	67	.5	.351	70	30 - 139	.319	64		}

## General Chromatography Quality Control Summary

Analytical Batch 447615	Client ID	MB447363			LCS447363			LCSD447363	-		
Prep Batch 447363	GCAL ID	905166			905167			905168			
Prep Method TNRCC 1005	Sample Type	Method Blank		•	LCS			LCSD			
*	Prep Date	12/14/2010 11:00			12/14/2010 11:00			12/14/2010 11:00			
	Analytical Date	12/16/2010 14:46			12/16/2010 15:20			12/16/2010 15:56			
	Matrix	Solid			Solid			Solid			
TX1005 Hydrocarbo	ne by Bango	Units	ug/Kg	Spike	Result		Control	Result		•	RPD
TA 1005 Hydrocarbo	iis by Kalige	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
GCSV-05-01 C6-C12		50000U	50000		,						
GCSV-05-02 >C12-C28		50000U	50000								
GCSV-05-03 >C28-C35		50000U	50000	•							
GCSV-05-04 Total TPH (C6	-C35)	50000U .	50000	198000	190000	96	75 - 125	182000	91	4	20
Surrogate			,					•			
84-15-1 o-Terphenyl		40800	82	49500	49000	99	58 - 148	40200	80		

Analytical Batch 44	47615	Client ID	SOILS IN BERM ARI	ΞA		904485MS	<del></del>			904485MSD			
Prep Batch 44	47363	GCAL ID	21012101601			905169				905170			
Prep Method Tf	NRCC 1005	Sample Type	SAMPLE	-		MS				MSD			
		Prep Date	12/14/2010 11:00		•	12/14/2010 11:00				12/14/2010 11:00	•		
	,	Analytical Date	12/16/2010 18:18	•		12/16/2010 18:54				12/16/2010 19:28	•	•	
	Ï	Matrix	Solid			Solid ·				Solid			
TX1005 Hydr	rocarbor	se by Pango	Units	ug/Kg	Spike	Result		Contro		Result			RPD
1 × 1003 Hydi	Ocarboi	is by Kange	Result	RDL	Added	Result	% R	Limits %	R	Result	% R	RPD	Limit
GCSV-05-04 Tot	tal TPH (C6-0	C35)	825000	50000	200000	1390000	284*	75 - 1	25	1090000	132*	24*	20
Surrogate							,						
84-15-1 o-T	[Ferphenyl		44500	89	50000	42400	85	58 - 1	48	42700	85		

# Inorganics Quality Control Summary

Analytical Batcl	447501	Client ID	MB447424			LCS447424		
Prep Batcl	1 447424	, GCAL ID	905406			905407		
Prep Method	SW-846	Sample Type	Method Blank			LÇS		
}	3010A	Prep Date	12/14/2010 10:35			12/14/2010 10:35		
İ		Analytical Date	12/15/2010 16:42			12/15/2010 16:49		•
		Matrix	Water			Water		•
SVA	846 6010E	TCI D	Units	mg/L	Spike	Result		Control
344.	040 00 101	) ICLF	Result	RDL	Added	Result	% R	Limits % R
7440-36-0	Antimony		0.060Ú	0.060	0.50	0.49	99	80 - 120
7440-38-2	Arsenic		0.20U	0.20	0.50	0.51	102	80 - 120
7440-39-3	Barium		0.081B	1.00	0.50	0.57	115	80 - 120
7440-43-9	Cadmium		0.00028B	0.010	0.50	0.49	99	80 - 120
7440-47-3	Chromium		0.0019B	0.050	0.50	0.47	95	80 - 120
7440-50-8	Copper		0.0035B	0.020	0.50	0.51	102	80 - 120
7439-92-1	Lead		0.0059B	0.10	0.50	0.49	98	80 - 120
7440-02-0	Nickel		0.0021B	0.040	0.50	0.47	95	80 - 120
7782-49-2	Selenium		0.015B	0.10	0.50	0.56	111	80 - 120
7440-22-4	Silver		0.0017B	0.050	0.50	0.49	98	80 - 120

Analytical Batch	447501	Client ID	HAZ BARGE CLEAN	NING SOLIDS		905123MS		
Prep Batch	447424	GCAL ID	21012131101			905409		İ
Prep Method	SW-846	Sample Type	SAMPLE		*	MS		.
	3010A	Prep Date	12/14/2010 10:35			12/14/2010 10:35		
		Analytical Date	12/15/2010 16:56			12/15/2010 17:10		
		Matrix	Solid			Solid		
214/2	846 6010B	TCLD	Units	mg/L	Spike	Populé		Control
344-	040 00 100	ICLF	Result	RDL	Added	Result	% R	Limits % R
7440-36-0	Antimony		0.0	0.30	0.50	0.48	97	75 - 125
7440-38-2	Arsenic		0.0	1.00	0.50	0.50	101	75 - 125
7440-39-3	Barium		0.44	5.00	0.50	0.96	102	75 - 125
7440-43-9	Cadmium		0.0010	0.050	0.50	0.51	101	75 - 125
7440-47-3	Chromium		0.0	0.25	0.50	0.50	100	75 - 125
7440-50-8	Copper		0.0	0.10	0.50	0.52	103	75 - 125
7439-92-1	Lead		0.015	0.50	0.50	0.51	99	75 - 125
7440-02-0	Nickel		0.37	0.20	0.50	0.89	104	75 - 125
7782-49-2	Selenium		0.0095	0.50	0.50	0.51	100	75 - 125
7440-22-4	Silver		0.0072	0.25	0.50	0.50	98	75 - 125

# Inorganics Quality Control Summary

Analytical Bate	h 447501	Client ID	HAZ BARGE CLEAN	ING SOLIDS	905123DUP		
Prep Bate	ch 447424	GCAL ID	21012131101		905408		
Prep Metho	od SW-846	Sample Type	SAMPLE		DUP		
	3010A	Prep Date	12/14/2010 10:35		12/14/2010 10:35		
		Analytical Date	12/15/2010 16:56	•	12/15/2010 17:03		•
		Matrix	Solid		Solid		
CIA	-846 6010E	RTCLD	Units	mg/L	Result		RPD
344	-040 00 101	JULP	Result	RDL	Result	RPD	Limit
7440-36-0	Antimony		0.0	0.30	0.0	0	20
7440-38-2	Arsenic		0.0	1.00	Ò.0	0	20
7440-39-3	Barium		0.44	5.00	0.46	4	20
7440-43-9	Cadmium		0.0010	0.050	0.00012	157*	20
7440-47-3	Chromium		0.0	0.25	0.0027	200*	- 20
7440-50-8	Copper		0.0	0.10	0.0	0	20
7439-92-1	Lead		0.015	0.50	0.0059	87*	20
7440-02-0	Nickel		0.37	0.20	. 0.39	5	20
7782-49-2	Selenium		0.0095	0.50	0.0	200*	20
7440-22-4	Silver		0.0072	0.25	0.0023	103*	20

## Inorganics Quality Control Summary

Analytical Batch	447395	Client ID	MB447425			LCS447425		
Prep Batch	447425	GCAL ID	905411			905412		
Prep Method	SW-846	Sample Type	Method Blank			LCS	•	
	7470A	Prep Date	12/14/2010 10:35	•	;	12/14/2010 10:35		
,		Analytical Date	12/15/2010 14:47		•	12/15/2010 14:52		
		Matrix	Water			Water		
S/M/ 9	46 7470A	TCLD	Units	mg/L	Spike	Result		Control
344-6	940 /4/UA	ICLP	Result	RDL	Added	Result	% R	Limits % R
7439-97-6	Mercury		0.0020U	0.0020	0.00500	0.00512	102	80 - 120

Analytical Batch	447395	Client ID	HAZ BARGE CLEAN	ING SOLIDS		905123MS		
Prep Batch	447425	GCAL ID	21012131101			905414		
Prep Method	SW-846	Sample Type	SAMPLE			MS		
•	7470A	Prep Date	12/14/2010 10:35			12/14/2010 10:35		
		Analytical Date	12/15/2010 14:53			12/15/2010 14:56		
		Matrix	Solid			Solid		
21// 9	346 7470A	TCLD	Units	mg/L.	Spike	Result		Control
344-0	940 141 UA	LICEP	Result	RDL	Added	Result	% R	Limits % R
7439-97-6	Mercury		0.00000	0.0020	0.00500	0.00532	106	75 - 125

7439-97-6	Mercury	*	0.00000	0.0020	0.00000	0	20
SW-8	46 7470A	TCLP	Units Result	mg/L RDL	Result	RPD	RPD Limit
		Matrix	Solid		Solid		
		Analytical Date	12/15/2010 14:53		12/15/2010 14:55		
	7470A	Prep Date	12/14/2010 10:35		12/14/2010 10:35		
Prep Method	SW-846	Sample Type	SAMPLE		DUP		
Prep Batch	447425	GCAL ID	21012131101		905413		
Analytical Batch	447395	Client ID	HAZ BARGE CLEAN	ING SOLIDS	905123DUP		

# General Chemistry Quality Control Summary

Analytical Batch	447274	Client ID	MB447140			LCS447140		
Prep Batch	447140	GCAL ID	903952			903953		
Prep Method	7.3.3.2	Sample Type	Method Blank		•	LCS		
		Prep Date	12/10/2010 14:00	•		12/10/2010 14:00		
		Analytical Date	12/10/2010 16:25			12/10/2010 16:26		
	•	Matrix	Solid			Solid	•	
SW-846 9	012A Rea	activity CN	Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R
57-12-5R	Reactivity Cyar	nide .	250U	, 250	250	25.6	10	1 - 25

Matrix Solid Solid				Matrix	Solid		Solid	
Haite malks		SIM OAG	9012A Re	activity CN	Units	mg/kg RDL	Solid	 RPD Limit
l •				1	1		12/10/2010 14:00	
Analytical Date 12/10/2010 16:33 12/10/2010 16:34	·	Prep Metho	d 7.3.3.2	Sample Type	SAMPLE		DUP	
Prep Date         12/10/2010 14:00         12/10/2010 14:00           Analytical Date         12/10/2010 16:33         12/10/2010 16:34	Prep Date   12/10/2010 14:00   12/10/2010 14:00	Prep Bato	h 447140	GCAL ID	21012084002	•	903954	
Prep Method         7.3.3.2         Sample Type         SAMPLE         DUP           Prep Date         12/10/2010 14:00         12/10/2010 14:00           Analytical Date         12/10/2010 16:33         12/10/2010 16:34	Prep Method         7.3.3.2         Sample Type         SAMPLE         DUP           Prep Date         12/10/2010 14:00         12/10/2010 14:00	Analytical Bato	h 447274	Client ID	GPT-120710-PM-001		903884DUP	

## General Chemistry Quality Control Summary

18496-25-8R	Reactivity Sulfi	de	80U	80	537	417	77.7	20 - 114
SW-846 90	34 React	ivity Sulfide	Units Result	mg/kg <b>RDL</b>	Spike Added	Result	% R	Control Limits % R
}		Matrix	Solid		. '	Solid		
		Analytical Date	12/13/2010 11:25			12/13/2010 11:25		
		Prep Date	12/10/2010 14:00			12/10/2010 14:00		i
Prep Method	Sec 7.3.4.2	Sample Type	Method Blank			LCS		
Prep Batch	447141	GCAL ID	903955			903956		
Analytical Batch	447342	Client ID	MB447141	•		LCS447141		

18496-25-8R	Reactivity Sulfi	de .	0	80	0	0	25
SW-846 90	34 React	ivity Sulfide	Units Result	mg/kg <b>RDL</b>	Result	RPD	RPD Limit
		Matrix	Solid		Solid		
		Analytical Date	12/13/2010 11:25	•	12/13/2010 11:25		
		Prep Date	12/10/2010 14:00		12/10/2010 14:00	•	
Prep Method	Sec 7.3.4.2	Sample Type	SAMPLE		DUP		
Prep Batch	447141	GCAL ID	21012084002		903957		
Analytical Batch	447342	Client ID	GPT-120710-PM-00	)1	903884DUP		9



Chain of Custody Record

DIAN GOAST ANALYTICAL LANGUATORIES, HIG	Lab use only	(A.). A		<b>.</b>		12.21.60
	Client Name	Columbia	Client #	<u>4742  </u> #	Group#	Due Date
7979 GSRI AVE, BATON ROUGE LA 70820-7402 (225) 769-4900 FAX (225) 767-5717			ų		· -	
Report to: Client: Collimbia EST Address: 13222 fletcus to 1  Contact: 1049 MAA9 Phone: 281-740-6607 Fax: P.O. Number Project Name/Number 10-406-001 Caulfeo Sampled By:	Client: Columbia Address:  Contact: Phone: Fax:  Treeport TX 66	EST YOUR DE NO.	CUS BERNIUM, USI SELOS BERNIUM, CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPANA CARPAN	quests & Me	thods 0.9	Lab ID
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## **ANALYTICAL RESULTS**

**PERFORMED BY** 

**GULF COAST ANALYTICAL LABORATORIES, INC.** 

**Report Date** 04/28/2010

**GCAL Report** 210041229



Deliver To Columbia Environmental Services, Inc. 13222 Reeveston Road Houston, TX 77039 713-400-5651

Attn Tony Maag

Project Gulfco Marine

#### CASE NARRATIVE

Client: Columbia Environmental Services, Inc Report: 210041229

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

#### **VOLATILES MASS SPECTROMETRY**

In the SW-846 1311/8260B analysis, samples 21004122901 (T2), 21004122903 (T6), 21004122904 (T6 MS), 21004122905 (T6 MSD), 21004122906 (T13), 21004122909 (T18), 21004122910 (T19), and 21004122911 (T21) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated reporting limits that have been lowered when necessary to meet the regulatory limit. The reporting limit exceeds the regulatory limit for vinyl chloride for sample 21004122911 (T21).

In the SW-846 1311/8260B analysis, a dilution factor of 40 was performed for samples 21004122902 (T4), 21004122907 (T15), 21004122908 (T16) and 21004122912 (T22). The reporting limits are at or below the regulatory limits at this dilution.

In the SW-846 1311/8260B analysis for analytical batch 429573, the MS/MSD exhibited recovery failures. All LCS/LCSD recoveries and RPDs are acceptable.

#### SEMI-VOLATILES GAS CHROMATOGRAPHY

In the TX 1005 analysis, sample 21004122908 (T16) had to be diluted to bracket target ranges within the calibration range of the instrument. This is reflected in elevated detection limits. The recovery for the surrogate is above the upper control limit. This can be attributed to a matrix interference as the surrogate eluted within the diesel "hump" of the chromatogram.

#### **CONVENTIONALS**

The Flashpoint analysis for samples 21004122907 (T15), 21004122909 (T18), 21004122910 (T19), and 21004122912 (T22) was performed by SW-846 Method 1010. The matrix is identified as a solid; while solid samples do not fall within the scope of this method, these samples are liquids.

### Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

#### Common Abbreviations Utilized in this Report

ND Indicates the result was Not Detected at the specified RDL DO Indicates the result was Diluted Out MI Indicates the result was subject to Matrix Interference **TNTC** Indicates the result was Too Numerous To Count SUBC Indicates the analysis was Sub-Contracted Indicates the analysis was performed in the Field **FLD** PQL **Practical Quantitation Limit** Method Detection Limit MDL RDL Reporting Detection Limit

Reported as a time equivalent to 12:00 AM

#### Reporting Flags Utilized in this Report

J Indicates an estimated value
 U Indicates the compound was analyzed for but not detected
 B (ORGANICS) Indicates the analyte was detected in the associated Method Blank
 B (INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Robyn Migues Technical Director	
GCAL REPORT 210041229	
THIS REPORT CONTAINS	PAGES.

00:00

# Report Sample Summary

GCAL ID	Client ID		Matrix	Collect Date/Time	Receive Date/Time
21004122901	T2		Water	04/06/2010 12:00	04/09/2010 12:06
21004122902	T4		Water	04/06/2010 15:00	04/09/2010 12:06
21004122903	T6	; ·	Water	04/06/2010 16:00	04/09/2010 12:06
21004122904	T6 MS	•	Water	04/06/2010 16:00	04/09/2010 12:06
21004122905	T6 MSD		Water	04/06/2010 16:00	04/09/2010 12:06
21004122906	T13		Solid	04/07/2010 11:00	04/09/2010 12:06
21004122907	T15		Solid	04/07/2010 16:00	04/09/2010 12:06
21004122908	T16	•	Water	04/07/2010 12:00	04/09/2010 12:06
21004122909	T18		Solid	04/07/2010 10:00	04/09/2010 12:06
21004122910	T19		Solid	04/07/2010 13:00	04/09/2010 12:06
21004122911	T21	•	Water	04/07/2010 15:00	04/09/2010 12:06
21004122912	T22		Solid	04/07/2010 10:15	04/09/2010 12:06

# Summary of Compounds Detected

GCAL ID, 21004122901	Client ID Matrix T2 Water	Collect Date/Time 04/06/2010 12:00	APTO ANTONIO POR CONTRACTOR AND A SAME	ceive Date/Time 09/2010 12:06	
SW-846 826	OB TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	28.9	0.200	0.017	mg/L
78-93-3	2-Butanone	5.64	5.00	0.019	mg/L
71-43-2	Benzene	2.43	0.200	0.011	mg/L
67-66-3 127-18-4	Chloroform Tetrachloroethene	1.25 0.534	1.00 0.200	0.011 0.024	mg/L mg/L
79-01-6	( Trichloroethene	12.7	0.200	0.012	mg/L
SW-846 601	0B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
7440-38-2	Arsenic	0.020B	0.20	0.0030	· mg/L
7440-39-3	Barium	16.8	1.00	0.00031	mg/L
7440-47-3	Chromium	0.013B	0.050	0.00032	mg/L
7782-49-2	Selenium	0.0061B	0.10	0.0037	mg/L
SW-846 747	OA TCLP			,	
CAS#	Parameter	Result	RDL	MDL	Units
7439-97-6	Mercury	0.00067B	0.020	0.00055	mg/L
GCAL ID 21004122902	Client ID Matrix 174 Water	Collect Date/Time 04/06/2010 15:00	。	ceive Date/Time 09/2010 12:06	
SW-846 601	0B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
7440-36-0	Antimony	0.020B	0.060	0.0035	mg/L
7440-38-2	Arsenic	0.0030B	0.20	0.0030	mg/L
7440-39-3	Barium	13.1	1.00	0.00031	mg/L
7440-02-0	Nickel	0.038B	0.040	0.0012	mg/L
GCAL ID 21004122903	Client ID Matrix T6 Water	Collect Date/Time 04/06/2010 16:00	4. [1] 小型小量 (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	ceive Date/Time 09/2010 12:06	
SW-846 826	SOB TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	6.91	0.500	0.00860	mg/L
71-43-2	Benzene	0.802	0.500	0.00542	mg/L
67-66-3	Chloroform	5.36	0.500	0.00565	mg/L
79-01-6	Trichloroethene	0.245J	0.500	0.00618	mg/L

21004122903	Client ID T6	5 . Jan 1	trix Collect Date/Time ater 04/06/2010 16:00		eceive Date/Time 1/09/2010 12:06	
SW-846 8270	C TCLP					
CAS#	Parameter	,	Result	RDL	MDL	Units
1319-77-3	Cresols	•	0.027J	0.1000	0.0024	mg/L
1319-77-3MP	m,p-Cresol		0.012J	0.0500	0.0017	mg/L
95-48-7	o-Cresol	,	0.016J	0.0500	0.0009	mg/L
SW-846 6010	B TCLP				•	
CAS#	Parameter		Result	RDL	MDL	Units
7440-38-2	Arsenic `		0.016B	0.20	0.0030	mg/L
7440-39-3	Barium		2.42	1.00	0.00031	mg/L
7440-43-9	Cadmium		0.0058B	0.010	0.00016	mg/L
7440-47-3	Chromium		0.0021B	0.050	0.00032	mg/L
7439-92-1	Lead	-	0.013B	0.10	0.0015	mg/L
7440-02-0	Nickel		0.50	0.040	0.0012	mg/L
SW-846 7470	A TCLP			9		•
CAS#	Parameter		Result	RDL	MDL	Units
7439-97-6	Mercury		0.00011B	0.0020	0.000055	mg/L
1000000000						
and the Section of the Saladay.	T6 MS C TCLP	Wa	oter 04/06/2010 16:00	04	/09/2010 12:06	
SW-846 8270 cas#	The second section of the	Wa	ter 04/06/2010 16:00 Result	04 RDL	and a first transfer to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the first to the fir	Units
SW-846 8270 cas#	C TCLP Parameter	adio (Laberto) (1946). O Pray Judio 1966	Result	RDL	/09/2010 12:06	Units
SW-846 8270 CAS# 106-46-7	C TCLP Parameter 1,4-Dichlorol	penzene	Result 0.414	10 + 150 + 100 #0 1 1 1	/09/2010 12:06 MDL 0.0006	Units mg/L
SW-846 8270 cas#	C TCLP Parameter	penzene	Result	RDL 0.0500 _j	/09/2010 12:06	Units
SW-846 8270 CAS# 106-46-7 121-14-2	C TCLP Parameter 1,4-Dichlorol 2,4-Dinitroto	penzene luene	Result 0.414 0.527	RDL 0.0500 0.0500	/09/2010 12:06 MDL 0.0006 0.0012	Units mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3	C TCLP  Parameter  1,4-Dichlorol  2,4-Dinitroto  Cresols	penzene luene	Result 0.414 0.527 0.031J	RDL 0.0500 0.0500 0.1000	MDL 0.0006 0.0012 0.0024	Units mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5	Parameter 1,4-Dichloro 2,4-Dinitroto Cresols Pentachloro	penzene luene	Result 0.414 0.527 0.031J 0.403	RDL 0.0500 0.0500 0.1000 0.2500	MDL 0.0006 0.0012 0.0024 0.0076	Units mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachloro m,p-Cresol o-Cresol	penzene luene	Result 0.414 0.527 0.031J 0.403 0.013J	RDL 0.0500 0.0500 0.1000 0.2500 0.0500	MDL 0.0006 0.0012 0.0024 0.0017	Units mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachloro m,p-Cresol o-Cresol	penzene luene	Result 0.414 0.527 0.031J 0.403 0.013J	RDL 0.0500 0.0500 0.1000 0.2500 0.0500	MDL 0.0006 0.0012 0.0024 0.0017	Units mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol	penzene luene	Result 0.414 0.527 0.031J 0.403 0.013J 0.018J	RDL 0.0500 0.0500 0.1000 0.2500 0.0500	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009	Units mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS#	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter	penzene luene	Result  0.414  0.527  0.031J  0.403  0.013J  0.018J	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500 RDL 0.060 0.20	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009	Units mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS# 7440-36-0	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter Antimony	penzene luene	Result  0.414  0.527  0.031J  0.403  0.013J  0.018J  Result  0.47  0.53  2.82	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500  RDL 0.060 0.20 1.00	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009  MDL 0.0035 0.0030 0.00031	Units mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS# 7440-36-0 7440-38-2 7440-39-3 7440-41-7	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter Antimony Arsenic Barium Beryllium	penzene luene	Result  0.414  0.527  0.031J  0.403  0.013J  0.018J  Result  0.47  0.53  2.82  0.49	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500  RDL 0.060 0.20 1.00 0.0050	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009  MDL 0.0035 0.0030 0.00031 0.000068	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS# 7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter Antimony Arsenic Barium Beryllium Cadmium	penzene luene	Result 0.414 0.527 0.031J 0.403 0.013J 0.018J  Result 0.47 0.53 2.82 0.49 0.49	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500  RDL 0.060 0.20 1.00 0.0050 0.010	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009  MDL 0.0035 0.0031 0.00068 0.00016	Units mg/L mg/L mg/L mg/L mg/L mg/L units mg/L mg/L mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS# 7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-47-3	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium	penzene luene	Result  0.414  0.527  0.031J  0.403  0.013J  0.018J  Result  0.47  0.53  2.82  0.49  0.49  0.49	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500  RDL 0.060 0.20 1.00 0.0050 0.010 0.050	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009  MDL 0.0035 0.0030 0.00031 0.000068 0.00016 0.00032	Units mg/L mg/L mg/L mg/L mg/L mg/L units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS# 7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-47-3	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Lead	penzene luene	Result  0.414  0.527  0.031J  0.403  0.013J  0.018J  Result  0.47  0.53  2.82  0.49  0.49  0.49  0.49  0.49	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500  RDL 0.060 0.20 1.00 0.0050 0.010 0.050 0.10	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009  MDL 0.0035 0.0035 0.0031 0.00068 0.00016 0.00032 0.00032	Units mg/L mg/L mg/L mg/L mg/L  Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L
SW-846 8270 CAS# 106-46-7 121-14-2 1319-77-3 87-86-5 1319-77-3MP 95-48-7 SW-846 6010 CAS# 7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-47-3	Parameter 1,4-Dichlorol 2,4-Dinitroto Cresols Pentachlorol m,p-Cresol o-Cresol B TCLP Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium	penzene luene	Result  0.414  0.527  0.031J  0.403  0.013J  0.018J  Result  0.47  0.53  2.82  0.49  0.49  0.49	RDL 0.0500 0.0500 0.1000 0.2500 0.0500 0.0500  RDL 0.060 0.20 1.00 0.0050 0.010 0.050	MDL 0.0006 0.0012 0.0024 0.0076 0.0017 0.0009  MDL 0.0035 0.0030 0.00031 0.000068 0.00016 0.00032	Units mg/L mg/L mg/L mg/L mg/L mg/L units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L

SW-846 6010B TCLP	
T440-22-4 Silver         0.49         0.050         0.00058           SW-846 7470A TCLP           CAS# Parameter Result RDL MDL         MCL         MDL           7439-97-6 Mercury         0.00527         0.0020         0.000055           TX1005 Hydrocarbons by Range           CAS# Parameter Result RDL MDL         MDL         MDL           GCSV-05-02 C12-C28 2800 150 130         130         130           GCSV-05-04 Total TPH (C6-C35)         51600 150         112           SW-846 8260B TCLP           CAS# Parameter Result RDL MDL         MDL           75-35-4 1,1-Dichloroethene 10.6 0.500 0.00860         0.500 0.00860           78-93-3 2-Butanone 3.58 2.50 0.00933         0.00933           71-43-2 Benzene 5.24 0.500 0.00542         0.500 0.00542           56-23-5 Carbon tetrachloride 4.24 0.500 0.0015         0.00542           109-90-7 Chlorobenzene 4.40 0.500 0.00274         67-66-3 Chloroform 8.71 0.500 0.00585           127-18-4 Tetrachloroethene 4.54 0.500 0.00274         0.500 0.00861           75-01-6 Trichloroethene 4.57 0.500 0.00818         4.57 0.500 0.00930           GCALID Client ID Matrix Collect Date/Time Value Viryl chloride Viryl chloride Viryl chloride Value 0.406/2010 16:00 0.0024         Receive Date/Time Value 0.406/2010 16:00	
SW-846 7470 A TCLP	Units
CAS# Parameter         Result NDL         MDL           7439-97-6         Mercury         0.00527         0.0020         0.000055           TX1005 Hydrocarbons by Range           CAS# Parameter Result RDL MDL         RDL MDL         MDL           GCSV-05-02 >C12-C28 26900 150 130         150 112         112           GCSV-05-01 C6-C12 24700 150 1112         150 1112         112           GCSV-05-04 Total TPH (C6-C35)         51600 150 150         112           SW-846 8260B TCLP         Result RDL MDL         MDL           75-35-4 1,1-Dichloroethene 10.6 0.500 0.00680         0.016         107-06-2 1,2-Dichloroethane 10.6 0.500 0.00880           78-93-3 2-Butanone 3.58 2.50 0.00933         2-50 0.00933         71-43-2 Benzene 5.24 0.500 0.00542         56-23-5 Carbon tetrachloride 4.24 0.500 0.00542         56-23-5 Carbon tetrachloride 4.24 0.500 0.00542         56-23-5 Carbon tetrachloride 4.24 0.500 0.00542         56-23-5 Carbon tetrachloride 4.24 0.500 0.00542         56-3 Chloroform 8.71 0.500 0.00555         127-18-4 Tetrachloroethene 4.64 0.500 0.00274         67-66-3 Chloroform 8.71 0.500 0.00565         127-18-4 Tetrachloroethene 4.64 0.500 0.00618         75-01-4 Vinyl chloride 4.37 0.500 0.00618         0.00618         75-01-4 Vinyl chloride 4.37 0.500 0.00618         0.00618         0.00618         0.00618         0.00618         0.00618         0.00618         0.00618         0.00618	mg/L
TX39-97-6         Mercury         0.00527         0.0020         0.000055           TX1005 Hydrocarbons by Range           CAS# Parameter         Result         RDL         MDL           GCSV-05-02         >C12-C28         26900         150         1130           GCSV-05-04         Total TPH (C6-C35)         51600         150         1112           SW-846 8260B TCLP           CAS# Parameter         Result         RDL         MDL           75-35-4         1,1-Dichloroethene         4.26         0.500         0.016           107-06-2         1,2-Dichloroethane         10.6         0.500         0.00860           78-93-3         2-Butanone         3.56         2.50         0.00933           71-43-2         Benzene         5.24         0.500         0.00542           56-23-5         Carbon tetrachloride         4.24         0.500         0.00542           67-66-3         Chloroform         8.71         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00618           75-01-4         Vinyl chloride         4.64         0.500         0.0012 <td></td>	
TX1005 Hydrocarbons by Range   Result   RDL   MDL	Units
CAS#         Parameter         Result         RDL         MDL           GCSV-05-02         >C12-C28         26900         150         130           GCSV-05-01         C6-C12         24700         150         112           GCSV-05-04         Total TPH (C6-C35)         51600         150         112           SW-846 8260B TCLP           CAS#         Parameter         Result         RDL         MDL           75-35-4         1,1-Dichloroethene         4.26         0.500         0.016           107-06-2         1,2-Dichloroethane         10.6         0.500         0.00860           78-93-3         2-Butanone         3.58         2.50         0.00933           71-43-2         Benzene         5.24         0.500         0.00542           56-23-5         Carbon tetrachloride         4.24         0.500         0.00542           67-66-3         Chloroform         8.71         0.500         0.00274           67-66-3         Chloroform         4.57         0.500         0.0012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         Water         O4/06/2010 16:00	mg/L
GCSV-05-02   C12-C28   26900   150   130   GCSV-05-01   C6-C12   24700   150   112   GCSV-05-04   Total TPH (C6-C35)   51600   150   112   SW-846 8260B TCLP	
GCSV-05-01   C6-C12   24700   150   112	Units
GCSV-05-01   C6-C12   24700   150   112	ug/L
SW-846 8260B TCLP	ug/L
CAS#         Parameter         Result         RDL         MDL           75-35-4         1,1-Dichloroethene         4.26         0.500         0.016           107-06-2         1,2-Dichloroethane         10.6         0.500         0.00860           78-93-3         2-Butanone         3.58         2.50         0.00933           71-43-2         Benzene         5.24         0.500         0.00542           56-23-5         Carbon tetrachloride         4.24         0.500         0.015           108-90-7         Chloroform         8.71         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Client ID         Matrix         Collect Date/Time         Receive Date/Time           2/1004122905         T6 MSD         Water         04/06/2010 16:00         04/09/2010 12:06           SW-846 8270C TCLP           CAS#         Parameter	ug/L
75-35-4         1,1-Dichloroethene         4.26         0.500         0.016           107-06-2         1,2-Dichloroethane         10.6         0.500         0.00860           78-93-3         2-Butanone         3.58         2.50         0.09933           71-43-2         Benzene         5.24         0.500         0.00542           56-23-5         Carbon tetrachloride         4.24         0.500         0.015           108-90-7         Chloroform         8.71         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Client ID         Matrix         Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water         04/06/2010 16:00         04/09/2010 12:06           SW-846 8270C TCLP           CAS#         Parameter         Result         RDL         MDL           106-46-7         1,	
107-06-2	Units
78-93-3         2-Butanone         3.58         2.50         0.00933           71-43-2         Benzene         5.24         0.500         0.00542           56-23-5         Carbon tetrachloride         4.24         0.500         0.015           108-90-7         Chloroform         8.71         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Client ID         Matrix         Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water         04/06/2010 16:00         04/09/2010 12:06           SW-846 8270C TCLP         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.	mg/L
71-43-2         Benzene         5.24         0.500         0.00542           56-23-5         Carbon tetrachloride         4.24         0.500         0.015           108-90-7         Chlorobenzene         4.40         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Client ID         Matrix         Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water         04/06/2010 16:00         04/09/2010 12:06           SW-846 8270C TCLP         CAS# Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L
56-23-5         Carbon tetrachloride         4.24         0.500         0.015           108-90-7         Chlorobenzene         4.40         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Matrix         Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water         04/06/2010 16:00         Receive Date/Time           24/09/2010 12:06         04/09/2010 12:06         SW-846 8270C TCLP           CAS#         Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L
108-90-7         Chlorobenzene         4.40         0.500         0.00274           67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Matrix         Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water         04/06/2010 16:00         D04/09/2010 12:06           SW-846 8270C TCLP           CAS#         Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L
67-66-3         Chloroform         8.71         0.500         0.00565           127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID Client ID Matrix Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water 04/06/2010 16:00 0 04/09/2010 12:06           SW-846 8270C TCLP           CAS# Parameter         Result RDL MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L
127-18-4         Tetrachloroethene         4.64         0.500         0.012           79-01-6         Trichloroethene         4.57         0.500         0.00618           75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID Vinyl chloride         Matrix Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water 04/06/2010 16:00         04/09/2010 12:06           SW-846 8270C TCLP           CAS# Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L
79-01-6 Trichloroethene 4.57 0.500 0.00618 75-01-4 Vinyl chloride 4.37 0.500 0.00930  GCAL ID Client ID Matrix Collect Date/Time 21004122905 T6 MSD Water 04/06/2010 16:00 04/09/2010 12:06  SW-846 8270C TCLP  CAS# Parameter Result RDL MDL 106-46-7 1,4-Dichlorobenzene 0.470 0.0500 0.0006 121-14-2 2,4-Dinitrotoluene 0.527 0.0500 0.0012 1319-77-3 Cresols 0.034J 0.1000 0.0024	mg/L
75-01-4         Vinyl chloride         4.37         0.500         0.00930           GCAL ID         Client ID         Matrix         Collect Date/Time         Receive Date/Time           21004122905         T6 MSD         Water         04/06/2010 16:00         04/09/2010 12:06           SW-846 8270C TCLP           CAS#         Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L
GCAL ID         Client ID         Matrix         Collect Date/Time         Receive Date/Time           2/004122905         T6 MSD         Water         04/06/2010 16:00 1 04/09/2010 12:06         04/09/2010 12:06           SW-846 8270C TCLP         CAS# Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	mg/L mg/L
CAS#         Parameter         Result         RDL         MDL           106-46-7         1,4-Dichlorobenzene         0.470         0.0500         0.0006           121-14-2         2,4-Dinitrotoluene         0.527         0.0500         0.0012           1319-77-3         Cresols         0.034J         0.1000         0.0024	
106-46-7       1,4-Dichlorobenzene       0.470       0.0500       0.0006         121-14-2       2,4-Dinitrotoluene       0.527       0.0500       0.0012         1319-77-3       Cresols       0.034J       0.1000       0.0024	
121-14-2       2,4-Dinitrotoluene       0.527       0.0500       0.0012         1319-77-3       Cresols       0.034J       0.1000       0.0024	Units
1319-77-3 Cresols 0.034J 0.1000 0.0024	mg/L
	mg/L
87-86-5 Pentachlorophenol 0.424 0.2500 0.0076	mg/L
	mg/L
1319-77-3MP m,p-Cresol 0.014J 0.0500 0.0017	mg/L
95-48-7 o-Cresol 0.020J 0.0500 0.0009	mg/L

1004122905	Client ID T6 MSD	Matrix Collect Date/Time Water 04/06/2010 16:00	04	eceive Date/Time 1/09/2010 12:06	
SW-846 6010	B TCLP			· · · · · · · · · · · · · · · · · · ·	
CAS#	Parameter	Result	RDL	MDL	Unit
7440-36-0	Antimony	0.49	0.060	0.0035	mg/
7440-38-2	Arsenic	0.55	0.20	0.0030	mg/
7440-39-3	Barium	2.99	1.00	0.00031	mg/
7440-41-7	Beryllium	0.51	0.0050	0.000068	mg/
7440-43-9	Cadmium	0.51	0.010	0.00016	mg/
7440-47-3	Chromium	0.50	0.050	0.00032	· mg/
7439-92-1	Lead	0.51	0.10	0.0015	mg/
7440-02-0	Nickel	1.01	0.040	0.0012	mg
7782-49-2	Selenium	0.51	0.10	0.0037	mg/
7440-22-4	Silver	0.51	0.050	0.00058	mg
SW-846 7470	A TCLP				
CAS#	Parameter	Result	RDL	MDL	Uni
7439-97-6	Mercury	0.00526	0.0020	0.000055	mg
SW-846 8260	DB TCLP				
CAS#	Parameter	Result	RDL	MDL	Uni
75-35-4	1,1-Dichloroethene	4.42	0.500	0.016	mg
107-06-2	1,2-Dichloroethane	9.17	0.500	0.00860	mg
78-93-3	2-Butanone	3.60	2.50	0.00933	mg
71-43-2	Benzene	5.14	0.500	0.00542	mg
56-23-5	Carbon tetrachloride	4.44	0.500	0.015	mg
108-90-7	Chlorobenzene	4.51	0.500	0.00274	mg
67-66-3	Chloroform	7.36	0.500	0.00565	mg
127-18-4	Tetrachloroethene	4.57	0.500	0.012	mg.
79-01-6	Trichloroethene	4.45	0.500	0.00618	mg.
75-01-4	Vinyl chloride	4.34	0.500	0.00930	mg
X1005 Hydr	ocarbons by Range				
CAS#	Parameter	Result	RDL	MDL	Uni
GCSV-05-02	>C12-C28	27100	149	130	ug.
GCSV-05-01	C6-C12	24300	149	111	ugi
GCSV-05-04	Total TPH (C6-C35)	51400	149	111	ug.

GCAL ID 21004122906	Client ID Matrix T13 Solid	Collect Date/Time 04/07/2010 11:00		ceive Date/Time /09/2010 12:06	
SW-846 601	0B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
7440-39-3	Barium	0.79B	1.00	0.00031	mg/L
7439-92-1	Lead	0.0056B	0.10	0.0015	mg/L
7782-49-2	Selenium	0.037B	0.10	0.0037	mg/L
7440-22-4	Silver	0.0015B	0.050	0.00058	mg/L
ASTM E203-	-96 WaterK				
CAS#	Parameter .	Result	RDL	MDL	Units
W-02-8	Karl Fisher H20	49.3	0.100	0.036	%
SW-846 826	0B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
75-35 <b>-</b> 4	1,1-Dichloroethene	0.043J	0.200	0.00656	mg/L
107-06-2	1,2-Dichloroethane	1.42	0.200	0.00344	mg/L
71-43-2	Benzene	2.07	0.200	0.00217	mg/L
67-66-3 127-18-4	Chloroform Tetrachloroethene	0.397 0.789	0.200 0.200	0.00226 0.00484	mg/L mg/L
79-01-6	Trichloroethene	1.28	0.200	0.00247	mg/L
75-01-4	Vinyl chloride	0.068J	0.200	0.00372	mg/L
ASTM D240	Heat of Combustion			•	
CAS#	Parameter	Result	RDL	MDL	Units
WET-014	Heat of Combustion	3459	90	90	BTU/lb
GCAL ID: 21004122907	Client ID Matrix T15 Solid	Collect Date/Time 04/07/2010 16:00	엄마가 그렇게 하는 그 얼마나 그 나무를	celve Date/Time 09/2010 12:06	
SW-846 826	0B TCLP	4			
CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.105J	0.200	0.00217	mg/L
ASTM D240	Heat of Combustion				
CAS#	Parameter	Result	RDL	MDL	Units
WET-014	Heat of Combustion	17162	90	90	BTU/lb
*	•	•			

1 (4) (5) (5) (5) (6) (7)	Client ID	Matrix Collect Date/ Water 04/07/2010 12		Receive Date/Tim 04/09/2010 12:06	e
SW-846 8270	C TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
1319-77-3	Cresols -	0.012J	0.1000	0.0024	mg/L
1319-77-3MP	m,p-Cresol	0.00773J	0.0500	0.0017	mg/L
95-48-7	o-Cresol	0.00455J	0.0500	0.0009	mg/L
SW-846 6010	B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
7440-39-3	Barium	0.43B	1.00	0.00031	mg/L
7440-47-3	Chromium	0.013B	0.050	0.00032	mg/L
7439-92-1	Lead	0.0046B	0.10	0.0015	mg/L
7440-02-0	Nickel	0.060	0.040	0.0012	mg/L
7782-49-2	Selenium	0.0074B	0.10	0.0037	mg/L
SW-846 8260	B TCLP		•		
CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	0.067J	1.00	0.00373	mg/L
TX1005 Hydr	ocarbons by Range				
CAS#	Parameter	Result	RDL	MDL	Units
GCSV-05-02	>C12-C28	97800	291	254	ug/L
GCSV-05-03	>C28-C35	49500	291	254	ug/L
GCSV-05-04	Total TPH (C6-C35)	147000	291	218	ug/L
I do that waste 1966 to 1977 beautiful	Client ID	Matrix Collect Date/	ウガヤ、ある 「発達し欠ぎなるなか!」	Receive Date/Time	9
一个特点。每年日日的影響	T18	Solid 04/07/2010 10	):00 g	-04/09/2010 12:06 <b>/</b>	
SW-846 8260	B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	0.299	0.200	0.017	mg/L
67-66-3	Chloroform	4.48	1.00	0.011	mg/L
[gr. 1987 to the SAME (1994) - 1119, 11	Client ID T19	Matrix Collect Date/ Solid 04/07/2010 13	เมือง หลุดสีเดิง และคราวได้เห็นได้	Receive Date/Time 04/09/2010 12:06	9
SW-846 8260	B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	0.051J	0.200	0.00344	mg/L
	• 1			•	

GCAL ID 21004122910	Client ID T19	Matrix Collect Date Solid 204/07/2010 1	Tau Tay教行会はTill Line 197	Receive Date/Tim 04/09/2010 12:06	l <b>e</b>
SW-846 826	60B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	1.55	0.200	0.00217	∉mg/L
67-66-3	Chloroform	0.048J	0.200	0.00226	mg/L
79-01-6	Trichloroethene	0.047J	0.200	0.00247	mg/L
GCAL ID 21004122911	Client ID T21	Matrix Collect Date Water 04/07/2010 1	difference and the first of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of th	Receive Date/Tim 04/09/2010 12:06	e ne
SW-846 826	60B TCLP	٠.			
CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	22.1	0.500	0.043	mg/L
71-43-2	Benzene	1.16	0.500	0.027	mg/L
67-66-3	Chloroform	43.4	2.50	0.028	mg/L
GCAL ID 21004122912	Client ID	Matrix Collect Date Solid 04/07/2010 1	。此一日,其他是《八百二百姓》(5年)	Receive Date/Tim 04/09/2010 12:06	ė
SW-846 826	30B TCLP			•	
CAS#	Parameter	Result	RDL	MDL	Units
67-66-3	Chloroform	0.052J	0.200	0.00226	mg/L
SW-846 601	10B TCLP				
CAS#	Parameter	Result	RDL	MDL	Units
7440-39-3	Barium	0.47B	1.00	0.00031	mg/L
7439-92-1	Lead	0.0028B	0.10	0.0015	mg/L
7782-49-2	Selenium	0.041B	0.10	0.0037	mg/L
7440-22-4	Silver	0.0036B	0.050	0.00058	mg/L

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### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 200	Analyzed 04/16/2010 01:26	By Analytic RJU 429573	cal Batch
CAS#	Parameter		Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene		0.200U	0.200	0.033	mg/L
107-06-2	1,2-Dichloroethane		28.9	0.200	0.017	mg/L
78-93-3	2-Butanone	The consideration of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	5.64	5.00	0.019	mg/L
71-43-2	Benzene		2.43	0.200	. 0.011	mg/L
56-23-5	Carbon tetrachloride	STATE SPECIAL CONTRACTOR STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE	0.200U	0.200	0.030	mg/L
108-90-7	Chlorobenzene		0.200U	0.200	0.00548	mg/L
67-66-3	Chloroform	5	1.25	1.00	0.011	mg/L
127-18-4	Tetrachloroethene		0.534	0.200	0.024	mg/L
79-01-6	Trichloroethene		12.7	0.200	0.012	mg/L
75-01-4	Vinyl chloride	The real for the residence of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of the real court of	0.200U	0.200	0.019	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10000	10400	ug/L	104	62 - 130
1868-53-7	Dibromofluoromethane	10000	9880	ug/L	99	65 - 127
2037-26-5	Toluene d8	10000	10800	ug/L	108	71 - 134
17060-07-0	1,2-Dichloroethane-d4	10000	9200	ug/L	92	62 - 127

### SW-846 8270C TCLP

Prep Date 04/16/2010 08:	<b>Prep Batch</b> 00 429512	Prep Method 3510C	Dilution 1	Analyzed 04/16/2010 13:57	<b>By</b> KCB	Analytical Bato 429591	:h
CAS#	Parameter		Result	RDL		MDL	Units
106-46-7	1,4-Dichlorobenzene		0.0500U	0.0500		0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol		- 0.0500U	0.0500	•	0.0006	mg/L
88-06-2	2,4,6-Trichlorophenol	,	0.0500U	0.0500		0.0008	mg/L
121-14-2	2,4-Dinitrotoluene		ı 0.0500U	0.0500		0.0012	mg/L
1319-77-3	Cresols		0.1000U	0.1000		0.0024	mg/L
118-74-1	Hexachlorobenzene		0.0500U	0.0500		0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500		0.0011	mg/L
67-72-1	Hexachloroethane		0.0500U	0.0500		0.0055	mg/L
98-95-3	Nitrobenzene	·	0.0500U	0.0500		0.0011	mg/L
87-86-5	Pentachlorophenol		0.2500U	0.2500		0.0076	mg/L
110-86-1	Pyridine		0.0500U	0.0500		0.0077	mg/L
1319-77-3MP	m,p-Cresol		0.0500U	0.0500		0.0017	mg/L
95-48-7	o-Cresol		0.0500U	0.0500		0.0009	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Reco	very R	ec Limits
4165-60-0	Nitrobenzene-d5	250	211	ug/L		84	48 - 123
321-60-8	2-Fluorobiphenyl	250	246	ug/L		98	16 - 128
1718-51-0	Terphenyl-d14	250	180	ug/L		72	38 - 167
4165-62-2	Phenol-d5	500	171	· ug/L		34	10 - 123
367-12-4	2-Fluorophenol	500	247	ug/L		49	10 - 120
118-79-6	2,4,6-Tribromophenol	500	557	ug/L		111	44 - 121

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### SW-846 6010B TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 3:45 429492	Prep Method SW-846 3010A	Dilution 1	Analyzed 04/15/2010 23:49	-	Analytical Batch 429524	
CAS#	Parameter		Result	RDL		MDL	Units
7440-38-2	Arsenic	•	0.020B	0.20		0.0030	mg/L
7440-39-3	Barium		16.8	1.00	0	.00031	mg/L
7440-43-9	Cadmium	•	0.010U	0.010	0	.00016	mg/L
7440-47-3	Chromium	•	0.013B	0.050	0	.00032	mg/L
7439-92-1	Lead		0.10U	0.10		0.0015	mg/L
7782-49-2	Selenium		0.0061B	0.10		0.0037	mg/L
7440-22-4	Silver	,	0.050U	0.050	0	.00058	mg/L

### SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 3:45 429494	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 12:03	<b>By</b> TEA	Analytical Batch 429521	
CAS#	Parameter		Result	RDL		MDL	Units
7439-97-6	Mercury	•	0.00067B	0.020		0.00055	mg/L

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### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	Analyzed 04/15/2010 21:57	By Analytical E SLR 429573	Batch
CAS#	Parameter		Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene		0.200U	0.200	0.00656	mg/L
107-06-2	1,2-Dichloroethane	•	0.200U	0.200	0.00344	mg/l
78-93-3	2-Butanone		1.00U	1.00	0.00373	. mg/L
71-43-2	Benzene		0.200∪	0.200	0.00217	. mg/l
56-23-5	Carbon tetrachloride		0.200U	0.200	0.00592	mg/L
108-90-7	Chlorobenzene		0.200U	0.200	0.00110	mg/L
67-66-3	Chloroform		. 0.200U	0.200	0.00226	mg/L
127-18-4	Tetrachloroethene	=	0.200U	0.200	0.00484	mg/L
79-01-6	Trichloroethene		0.200U	0.200	0.00247	mg/L
75-01-4	Vinyl chloride		0.200U	0.200	0.00372	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2000	1920	ug/L	96	.62 - 130
1868-53-7	Dibromofluoromethane	2000	1990	ug/L	100	65 - 127
2037-26-5	Toluene d8	2000	1870	ug/L	94	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	1930	ug/L	97	62 - 127

### SW-846 8270C TCLP

Prep Date 04/16/2010 08:0	Prep Batch 00 429512	Prep Method 3510C	Dilution 1	Analyzed 04/16/2010 14:12	By KCB	Analytical Batch 429591	1
CAS#	Parameter		Result	RDL		MDL	Units
106-46-7	1,4-Dichlorobenzene		0.0500U	0.0500		0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol		0.0500U	0.0500		0.0006	` mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500		8000.0	mg/L
121-14-2	2,4-Dinitrotoluene		0.0500U	0.0500		0.0012	mg/L
1319-77-3	Cresols		0.1000U	0.1000		0.0024	mg/L
118-74-1	Hexachlorobenzene		0.0500U	0.0500		0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500		0.0011	mg/L
67-72-1	Hexachloroethane	. •	0.0500U	0.0500		0.0055	mg/L
98-95-3	Nitrobenzene		0.0500U	0.0500		0.0011	mg/L
87-86-5	Pentachlorophenol	•	0.2500U	0.2500		0.0076	mg/L
110-86-1	Pyridine		0.0500U	0.0500		0.0077	mg/L
1319-77-3MP	m,p-Cresol		0.0500U	0.0500		0.0017	mg/L
95-48-7	o-Cresol	•	0.0500U	0.0500	•	0.0009	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Reco	very Re	c Limits
4165-60-0	Nitrobenzene-d5	250	233	ug/L		93 4	8 - 123
321-60-8	2-Fluorobiphenyl	250	235	ug/L		94 1	6 - 128
1718-51-0	Terphenyl-d14	. 250	182	ug/L		73 3	8 - 167
4165-62-2	Phenol-d5	500	211	ug/L		42 1	0 - 123
367-12-4	2-Fluorophenol	500	308	ug/L		62 1	0 - 120
118-79-6	2,4,6-Tribromophenol	500	512	ug/L		102 4	4 - 121

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### TX1005 Hydrocarbons by Range

Prep Date 04/16/2010 14:	<b>Prep Batch</b> 00 429379	Prep Method TNRCC 1005	Dilution	Analyzed 04/19/2010 15:41	-	nalytical Batch 29750	ı [.]
CAS#	Parameter		Result	RDL		MDL	Units
GCSV-05-02	>C12-C28		149U	149		130	ug/L
GCSV-05-03	>C28-C35	-	149U	149		130	ug/L
GCSV-05-01	C6-C12		149U	149		112	ug/L
GCSV-05-04	Total TPH (C6-C35)		, 149U	149		112	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recove	ery Re	c Limits
84-15-1	o-Terphenyl	16600	22400	ug/L	1	35 5	58 - 148

### SW-846 6010B TCLP

Prep Date 04/15/2010 08	Prep Batch 3:45 429492	Prep Method SW-846 3010A	Dilution 1	Analyzed 04/16/2010 00:04	By Analytical E CLB 429524	Batch
CAS#	Parameter		Result	RDL	MDL	Units
7440-36-0	Antimony		0.020B	0.060	0.0035	mg/L
7440-38-2	Arsenic		0.0030B	0.20	0.0030	mg/L
7440-39-3	Barium		13.1	1.00	0.00031	mg/L
7440-41-7	Beryllium		0.0050U	0.0050	0.000068	mg/L
7440-43-9	Cadmium		0.010U	0.010	0.00016	mg/L
7440-47-3	Chromium		0.050U	0.050	0.00032	mg/L
7439-92-1	Lead		0.10U	0.10	0.0015	mg/L
7440-02-0	Nickel		0.038B	0.040	0.0012	mg/L
7782-49-2	Selenium		0.10U	` 0.10	0.0037	mg/L
7440-22-4	Silver		0.050U	0.050	0.00058	mg/L

### SW-846 7470A TCLP

Prep Date 04/15/2010 08	Prep Batch :45 429494	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 12:04	<b>By</b> TEA	Analytical E 429521	Batch	
CAS#	Parameter		Result	RDL		MDL	` `	Units
7439-97-6	Mercury		0.0020U	0.0020		0.000055		mg/L

GCAL ID Client ID	一	Collect Date/Time	Receive Date/Time
			Receive Date/Time
【21004122903 】 <b>T6</b> 表示企業等。	· Water	#204/06/2010 16:00.3*** \@@@.sa.s	- 04/09/2010/12:06 / 1 (1875) / 1 (1875)

### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 100	<b>Analyzed</b> 04/15/2010 21:35	By SLR	<b>Analytic</b> 429573	cal Batch
CAS#	Parameter		Result	RDL		MDL	Units
75-35-4	1,1-Dichloroethene		0.500U	, 0.500	•	0.016	mg/L
107-06-2	1,2-Dichloroethane		6.91	0.500		0.00860	mg/l
78-93-3	2-Butanone	ath control to the time of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr	2.50U	2.50		0.00933	mg/l
71-43-2	Benzene		0.802	0.500		0.00542	/ mg/L
56-23-5	Carbon tetrachloride	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	. 0.500U	0.500	•	0.015	mg/L
108-90-7	Chlorobenzene		0.500U	0.500		0.00274	mg/l
67-66-3	Chloroform	•	5.36	0.500		0.00565	mg/L
127-18-4	Tetrachloroethene	,	0.500U	0.500		0.012	mg/l
79-01-6	Trichloroethene	`	0.245J	0.500		0.00618	mg/L
75-01-4	Vinyl chloride		0.100U	0.100		0.00930	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Re	covery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	5020	ug/L		100	62 - 130
1868-53-7	Dibromofluoromethane	5000	5010	ug/L \		100	65 - 127
2037-26-5	Toluene d8	5000	5010	ug/L		100	71 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	4600	ug/L		92	62 - 127

### SW-846 8270C TCLP

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	-	Analytical Batch	
04/16/2010 08	3:00 429512	3510C	1	04/16/2010 14:28	KCB	429591	
CAS#	Parameter		Result	RDL		MDL	Units
106-46-7	1,4-Dichlorobenzene		0.0500U	0.0500		0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol		0.0500U	0.0500		0.0006	mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500		0.0008	mg/L
121-14-2	2,4-Dinitrotoluene		0.0500U	0.0500		0.0012	mg/L
1319-77-3	Cresols		0.027J	0.1000		0.0024	mg/L
118-74-1	Hexachlorobenzene		0.0500U	0.0500		0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500		0.0011	mg/L
67-72-1	Hexachloroethane		0.0500U	0.0500	•	0.0055	mg/L
98-95-3	Nitrobenzene	•	0.0500U	0.0500		0.0011	mg/L
87-86-5	Pentachlorophenol	•	0.2500U	0.2500	,	0.0076	mg/L
110-86-1	Pyridine		0.0500U	. 0.0500		0.0077	mg/L
1319-77-3MP	m,p-Cresol		. 0.012J	0.0500		0.0017	mg/L
95-48-7	o-Cresol		0.016J	0.0500		0.0009	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Reco	very Rec	Limits
4165-60-0	Nitrobenzene-d5	250	218	ug/L		87 4	8 - 123
321-60-8	2-Fluorobiphenyl	250	212	ug/L		85 1	6 - 128
1718-51-0	Terphenyl-d14	250	174	ug/L		70 3	8 - 167
4165-62-2	Phenol-d5	500	227	ug/L		45 1	0 - 123
367-12-4	2-Fluorophenol	500	311	ug/L		62 1	0 - 120
118-79-6	2,4,6-Tribromophenol	500	496	ug/L	•	99 4	4 - 121

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- 1 等には、「お」とは、「お」というないがは、これには、これには、「は、」というない。これには、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」とは、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、「は、」には、」には、「は、」には、「は、」には、これ、「は、」には、これ、「は、」には、これ、これ、これ、「は、」には、これ、これ、これ、これ、これ、これ、これ、これ、これ、これ、これ、これ、これ、	Stranger Co.
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### TX1005 Hydrocarbons by Range

Prep Date 04/16/2010 14	Prep Batch :00 429379	Prep Method TNRCC 1005	Dilution 1	<b>Analyz</b> e 04/20/2	e <b>d</b> 010 11:18	By SMH	Analytical 429794	Batch
CAS#	Parameter		Result	-1	RDL.		MDL	Units
GCSV-05-02	>C12-C28		145U	ŀ	145		126	ug/L
GCSV-05-03	>C28-C35		145U	· j·	145		126	ug/L
GCSV-05-01	C6-C12		145U		145	•	109	ug/Ŀ
GCSV-05-04	Total TPH (C6-C35)		_. 145U		145		109	ug/L.
CAS#	Surrogate	Conc. Spiked	Conc. Rec		Units	% Rec	overy	Rec Limits
84-15-1	o-Terphenyl	16100	18000		ug/L		112	58 - 148

### SW-846 6010B TCLP

Prep Date 04/15/2010 08:4	<b>Prep Batch</b> 5 429492	Prep Method SW-846 3010A	Dilution 1	Analyzed 04/15/2010 20:48	By CLB	Analytical Batch 429524	
CAS#	Parameter		Result	RDL		MDL	Units
7440-36-0	Antimony	· · · · · · · · · · · · · · · · · · ·	0.060U	0.060		0.0035	mg/L
7440-38-2	Arsenic		0.016B	0.20		0.0030	mg/L
7440-39-3	Barium		2.42	1.00		0.00031	mg/L
7440-41-7	Beryllium		0.0050U	0.0050	,	0.000068	mg/L
7440-43-9	Cadmium		0.0058B	0.010		0.00016	mg/L
7440-47-3	Chromium		0.0021B	0.050		0.00032	· mg/L
7439-92-1	Lead		0.013B	0.10		0.0015	mg/L
7440-02-0	Nickel		0.50	0.040		0.0012	mg/L
7782-49-2	Selenium	•	0.10U	0.10		0.0037	mg/L
7440-22-4	Silver		0.050U	0.050		0.00058	mg/L

### SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 3:45 429494	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 11:56	By TEA	Analytical Batch 429521	
CAS#	Parameter	•	Result	RDL	,	MDL ~	Units
7439-97-6	Mercury		0.00011B	0.0020		0.000055	mg/L

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### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 100	Analyzed 04/15/2010 22:42	<b>By</b> RJU	Analytical Bat 429573	ch
CAS#	Parameter		Result	RDL		MDL	Units
75-35-4	1,1-Dichloroethene	•••	4.26	0.500		0.016	mg/l
107-06-2	1,2-Dichloroethane		. 10.6	0.500		0.00860	mg/L
78-93-3	2-Butanone	•	3.58	2.50		0.00933	mg/L
71-43-2	Benzene		5.24	0.500		0.00542	mg/L
56-23-5	Carbon tetrachloride		4.24	0.500		0.015	mg/L
108-90-7	Chlorobenzene		4.40	0.500		0.00274	mg/L
67-66-3	Chloroform		8.71	0.500		0.00565	mg/L
127-18-4	Tetrachloroethene		4.64	0.500		0.012	mg/L
79-01-6	Trichloroethene		4.57	0.500		0.00618	mg/L
75-01-4	Vinyl chloride	•	4.37	0.500		0.00930	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Rec	covery R	lec Limits
460-00-4	4-Bromofluorobenzene	5000	5030	· ug/L		101	62 - 130
1868-53-7	Dibromofluoromethane	5000	4800	ug/L		96	65 - 127
2037-26-5	Toluene d8	5000	4980	ug/L		100	71 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	4610	ug/L		92	62 - 127

### SW-846 8270C TCLP

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By Ar	nalytical Batch	
04/16/2010 08:00	429512	3510C	1	04/16/2010 14:44	KCB 42	29591	
CAS#	Parameter		Result	RDL		MDL U	Jnits
106-46-7	1,4-Dichlorobenzene		0.414	0.0500	0.	0006 m	ng/L
95-95-4	2,4,5-Trichlorophenol		0.0500U	0.0500	0.	0006 n	mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500	0.	0008 n	mg/L
121-14-2	2,4-Dinitrotoluene		0.527	0.0500	0.	0012 n	ng/L
1319-77-3	Cresols	to the section of the security of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of th	0.031J	0.1000	0.	0024 m	ng/L
118-74-1	Hexachlorobenzene		0.0500U	0.0500	0.	0013 n	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500	0.	0011 n	mg/L
67-72-1	Hexachloroethane	·	0.0500U	, 0.0500	0.	0055 n	mg/L
98-95-3	Nitrobenzene		0.0500U	0.0500	0.	0011 n	mg/L
87-86-5	Pentachlorophenol		0.403	0.2500	0.	0076 m	ng/L
110-86-1	Pyridine		. 0.0500U	0.0500	0.	0077 n	mg/L
1319-77-3MP	m,p-Cresol		0.013J	0.0500	0.	0017 m	ng/L
95-48-7	o-Cresol		0.018J	0.0500	0.0	0009 m	ng/L
CAS# S	urrogate	Conc. Spiked	Conc. Rec	Units	% Recover	ry Rec Lir	mits
4165-60-0 Ni	trobenzene-d5	250	229	ug/L	9	92 48 -	123
321-60-8 2-	Fluorobiphenyl	250	239	ug/L	9	96 16 -	128
1718-51-0 Te	erphenyl-d14	250	182	· ug/L	7	73 38 -	167
	nenol-d5	500	. 219	ug/L	4	14 - 10 -	123
367-12-4 2-	Fluorophenol	500	287	ug/L	5	57 10 -	120
118-79-6 2,	4,6-Tribromophenol	500	532	ug/L	10	06 44 -	121

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TX1005 Hydrocarbons by Range

Prep Date 04/16/2010 14	<b>Prep Batch</b> 4:00 429379	Prep Method TNRCC 1005	Dilution 1	Analyzed 04/20/2010 11:47	By Analytic SMH 429794	al Batch
CAS#	Parameter		Result	RDL	MDL	Units
GCSV-05-02	>C12-C28	•	26900	150	130	ug/L
GCSV-05-03	>C28-C35		150U	150	130	ug/L
GCSV-05-01	C6-C12		24700	150	112	ug/L
GCSV-05-04	Total TPH (C6-C35)		51600	150	112	ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1	o-Terphenyl	16600	19800	ug/L	119	58 - 148

### SW-846 6010B TCLP

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	Ву	Analytical Batch	
04/15/2010 08	3:45 429492	SW-846 3010A	1	04/15/2010 20:55	CLB	429524	
CAS#	Parameter		Result	RDL		MDL	Units
7440-36-0	Antimony		0.47	0.060		0.0035	mg/L
7440-38-2	Arsenic		0.53	0.20		0.0030	mg/l
7440-39-3	Barium		2.82	1.00		0.00031	mg/l
7440-41-7	Beryllium		0.49	0.0050		0.000068	mg/l
7440-43-9	Cadmium		0.49	. 0.010		0.00016	mg/l
7440-47-3	Chromium		0.49	0.050		0.00032	mg/L
7439-92-1	Lead		0.49	0.10		0.0015	mg/L
7440-02-0	Nickel		0.96	0.040		0.0012	mg/l
7782-49-2	Selenium		0.50	0.10		0.0037	mg/l
7440-22-4	Silver		0.49	0.050		0.00058	mg/l

### SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 3:45 429494	Prep Method SW-846 7470A	 Dilution 1	<b>Analyzed</b> 04/15/2010 11:58	<b>By</b> TEA	Analytical Batch 429521	
CAS#	Parameter		Result	RDL		MDL	Units
7439-97-6	Mercury		0.00527	0.0020		0.000055	mg/L

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### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 100	Analyzed 04/15/2010 23:04	By Analytica RJU 429573	l Batch
CAS#	Parameter		Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	0	4.42	) 0.500	0.016	mg/l
107-06-2	1,2-Dichloroethane		9.17	0.500	0.00860	mg/l
78-93-3	2-Butanone		3.60	2.50	0.00933	mg/L
71-43-2	Benzene		5.14	0.500	0.00542	mg/L
56-23-5	Carbon tetrachloride		4.44	0.500	0.015	mg/L
108-90-7	Chlorobenzene		4.51	0.500	0.00274	mg/L
67-66-3	Chloroform		7.36	0.500	0.00565	mg/l
127-18-4	Tetrachioroethene		4.57	0.500	0.012	mg/L
79-01-6	Trichloroethene		4.45	0.500 ~	0.00618	mg/l
75-01-4 _,	Vinyl chloride		4.34	0.500	0.00930	· mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	4910	ug/L	98	62 - 130
1868-53-7	Dibromofluoromethane	5000	4990	ug/L	100	65 - 127
2037-26-5	Toluene d8	5000	5100	ug/L	102	71 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	4660	ug/L	93	62 - 127

### SW-846 8270C TCLP

	Parameter		Dilution 1	04/16/2010 15:00	KCB 42959	1
AS#	raiailletei		Result	RDL	MDL	Units
06-46-7	1,4-Dichlorobenzene	<b>:</b>	0.470	0.0500	0.0006	mg/L
5-95-4	2,4,5-Trichlorophenol	•	0.0500U	0.0500	0.0006	mg/L
8-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500	0.0008	B mg/L
21-14-2	2,4-Dinitrotoluene		0.527	0.0500	0.0012	mg/L
319-77-3	Cresols	6486 Berling of British Berling Committee Committee Committee Committee Committee Committee Committee Committee	0.034J	0.1000	0.0024	mg/L
18-74-1	Hexachlorobenzene		0.0500U	0.0500	0.0013	B mg/L
7-68-3	Hexachlorobutadiene		0.0500U	0.0500	0.0011	mg/L
7-72-1	Hexachloroethane		0.0500U	0.0500	0.0055	i mg/L
8-95-3 I	Nitrobenzene		0.0500U	0.0500	0.0011	mg/L
7-86-5	Pentachlorophenol		0.424	0.2500	0.0076	mg/L
10-86-1 I	Pyridine		0.0500U	0.0500	0.0077	mg/L
319-77-3MP i	m,p-Cresol		0.014J	0.0500	0.0017	mg/L
5-48-7	o-Cresol		0.020J	0.0500	0.0009	mg/L
AS# Su	ırrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
165-60-0 Nit	trobenzene-d5	250	244	ug/L	98	48 - 123
21-60-8 2-6	Fluorobiphenyl	250	245	ug/L	98	16 - 128
718-51-0 Te	rphenyl-d14	250	181	ug/L	72	38 - 167
165-62-2 Ph	enol-d5	500	222	ug/L	44	10 - 123
67-12-4 <b>2</b> -F	Fluorophenol	. 500	307	· ug/L	61	10 - 120
18-79-6 2,4	1,6-Tribromophenol	500	512	ug/L	102	44 - 121

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### TX1005 Hydrocarbons by Range

Prep Date 04/16/2010 14:0	<b>Prep Batch</b> 0 429379	Prep Method TNRCC 1005	Dilution 1	<b>Analyzed</b> 04/19/2010 18:19	By Anal SMH 4297	lytical Batch '50
CAS#	Parameter		Result	RDL	MC	)L Units
GCSV-05-02	>C12-C28	· ·	27100	149	1	30 ug/L
GCSV-05-03	>C28-C35		149U	149	1	30 ug/L
GCSV-05-01	C6-C12	•	24300	149	1	11 ug/L
GCSV-05-04	Total TPH (C6-C35)		51400	149	1	11 ug/L
CAS# S	urrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1 o	-Terphenyl	16500	20800	· ug/L	126	58 - 148

### SW-846 6010B TCLP

Prep Date	Prep Batch	Prep Method	Dilution	Analyze	ed	Ву	Analytical Batch	
04/15/2010 08:45 429492 SW-846 3010A		1	04/15/2010 21:02		CLB	429524		
CAS#	Parameter		Result		RDL		MDL	Units
7440-36-0	Antimony		0.49		0.060		0.0035	mg/l
7440-38-2	Arsenic	•	0.55		0.20		0.0030	mg/L
7440-39-3	Barium		2.99		1.00		0.00031	mg/l
7440-41-7	Beryllium		0.51		0.0050		0.000068	mg/l
7440-43-9	Cadmium		0.51	1	0.010		0.00016	mg/l
7440-47-3	Chromium	•	0.50		0.050		0.00032	mg/l
7439-92-1	Lead		0.51		0.10		0.0015	mg/L
7440-02-0	Nickel	•	1.01		0.040		0.0012	mg/l
7782-49-2	Selenium		0.51	1	0.10		0.0037	mg/L
7440-22-4	Silver	• .	0.51		0.050		0.00058	mg/l

### SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 8:45 429494	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 12:00	By TEA	Analytical Batch 429521	
CAS#	Parameter		Result	RDL		MDL	Units
7439-97-6	Mercury		0.00526	0.0020		0.000055	mg/L

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104004400000	"Salid" - 11.00	Late   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15   1.15
【21004122906 - T13 - 音樂 章 《 66 · 章 子》 第二章	Solid 04/07/2010 11:00	188. B Light Francisco L. L. 114/109/2010 12 TUD 12 Line Line 2010 13 His Park

## SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	Analyzed 04/16/2010 01:50	By Analy RJU 4295	rtical Batch 73
CAS#	Parameter		Result	RDL	MDI	Units
75-35-4	1,1-Dichloroethene		0.043J	0.200	0.0065	6 mg/L
107-06-2	1,2-Dichloroethane		1.42	0.200	0.0034	4mg/l
78-93-3	2-Butanone	Control of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	0.200U	0.200	0.0037	3 mg/L
71-43-2	Benzene		2.07	0.200	. 0.0021	7mg/l
56-23-5	Carbon tetrachloride	Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Compan	0.200U	0.200	0.0059	
108-90-7	Chlorobenzene		0.200U	0.200	0.0011	0 mg/l
67-66-3	Chloroform		0.397	0.200	0.0022	6 mg/L
127-18-4	Tetrachloroethene		0.789	0.200	0.0048	4 mg/l
79-01-6	Trichloroethene		1.28	0.200	0.0024	7 mg/L
75-01-4	Vinyl chloride	Maringang sering a colored to select to the service of the service of the series of the other	0.068J	0.200	0.0037	2 mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2000	2150	ug/L	108	62 - 130
1868-53-7	Dibromofluoromethane	2000	1950	ug/L	98	65 - 127
2037-26-5	Toluene d8	2000	2190	ug/L	110	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	1810	ug/L	91	62 - 127

## SW-846 6010B TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 8:45 429507	Prep Method SW-846 3010A	Dilution 1	Analyzed 04/15/2010 23:42	<b>By</b> CLB	Analytical Batch 429524	
CAS#	Parameter		Result	RDL		MDL	Units
7440-38-2	Arsenic		0.20U	. 0.20		0.0030	mg/L
7440-39-3	Barium		0.79B	1.00		0.00031	mg/L
7440-43-9	Cadmium		0.010U	0.010		0.00016	mg/L
7440-47-3	Chromium		0.050U	0.050		0.00032	mg/L
7439-92-1	Lead		0.0056B	0.10	·	0.0015	mg/L
7782-49-2	Selenium		0.037B	0.10		0.0037	mg/L
7440-22-4	Silver		0.0015B	0.050		0.00058	mg/L

## SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 8:45 429508	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 12:20	By Analytic TEA 429521	cal Batch
CAS#	Parameter		Result	RDL	MDL	Units
7439-97-6	Mercury	•	0.0020U	0.0020	0.000055	mg/L

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GCAL ID Client ID	The Matrix. The second Confect Date (Time Transmiss The Reservoir Confect Finite Section States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States States Stat
- 16、このは24と、表式、「まだまだく点がん」では、「はな経過さればれる」とは必要があれませんがあります。 プロ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	ti ti kiyandi in tala Mariandi
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1.21004122000 USA : Tr49 (\$\$\$\$\alpha\$ : \$\$\$\$\$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ : \$\alpha\$ :	- ** Solid (1) 1 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
121004122906 T13	、『Solid』是,是是第304/07/2010 11:00 基金的 多。 新華 古華04/09/2010 612:06 ,這些可能的一種的思想。
,【《《秋秋》:  1. 《《《《花》》:《《《《《花》》:《《《花》》:《《花》:《《花》:《《花》:	这一点,一个一个的概念,不知为我没够有点,是一种的人的人也不知识的一个的意思,有一个的人,也是想要这个的人的人的。而且这个人,也不是这个的人,这些都是这种的特别!

## ASTM D240 Heat of Combustion

Prep Date 04/20/2010 08	<b>Prep Batch</b> 8:00 429779	Prep Method EPA 1010	Dilution 1	Anålyzed B 04/20/2010 08:00 Al		l Batch
CAS#	Parameter		Result	RDL	MDL	Units
WET-014	Heat of Combustion		3459	90	.90	BTU/lb

#### ASTM E203-96 WaterK

Prep Date	Prep Batch	Prep Method	Dilution 1	<b>Analyzed</b> 04/13/2010 09:38	By JEM	Analytical Batch 429420	
CAS#	Parameter		Result	RDL		MDL.	Units
W-02-8	Karl Fisher H20	* .	49.3	0.100		0.036	%

RESULTS REPORTED ON A WET WEIGHT BASIS

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#### SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	Analyzed 04/16/2010 02:14	By RJU	Analytical 429573	Batch
CAS#	Parameter		Result	RDL		MDL .	Unit
75-35-4	1,1-Dichloroethene		0.200U	0.200		0.00656	mg/l
107-06-2	1,2-Dichloroethane		0.200U	0.200	(	0.00344	mg/l
78-93-3	2-Butanone		0.200U	0.200		0.00373	mg/l
71-43-2	Benzene		0.105J	0.200		0.00217	mg/l
56-23-5	Carbon tetrachloride	•	0.200U	0.200	1	0.00592	mg/l
108-90-7	Chlorobenzene	•	0.200U	0.200	(	0.00110	mg/l
67-66-3	Chloroform		0.200U	0.200	(	0.00226	mg/l
127-18-4	Tetrachloroethene		0.200∪	0.200	(	0.00484	mg/l
79-01-6	Trichloroethene		0.200U	0.200	(	0.00247	mg/l
75-01-4	Vinyl chloride		0.200U	0.200	•	0.00372	. mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Reco	very	Rec Limits
460-00-4	4-Bromofluorobenzene	· 2000	2030	ug/L		102	62 - 130
1868-53-7	Dibromofluoromethane	2000	2020	ug/L		101	65 - 12
2037-26-5	Toluene d8	2000	2190	ug/L		110	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	2140	ug/L		107	62 - 127

SW-846 1010 Flashpoint

Prep Date	Prep Batch	Prep Method	Dilution 1	<b>Analyzed</b> 04/15/2010 13:42	By MDT	Analytical Batch 429555	
CAS#	Parameter		Result	RDL		MDL.	Units
000000-01-3	FlashPoint		>170	50		50	Deg F

## ASTM D240 Heat of Combustion

Prep Date 04/20/2010 08:00	Prep Batch 429779	Prep Method EPA 1010	Dilution 1	Analyzed 04/20/2010 08:00	By AEL	Analytical Batch 429780	
CAS#	Parameter		Result	RDL		MDL	Units
WET-014	Heat of Combustion		17162	90		90	BTU/lb

#### ASTM E203-96 WaterK

Prep Date	Prep Batch	Prep Method	Dilution 1	<b>Analyzed</b> 04/13/2010 09:38	By JEM	Analytical Batch 429420	
CAS#	Parameter		Result	RDL		MDL	Units
W-02-8	Karl Fisher H20		0.100U	0.100	•	0.036	%

RESULTS REPORTED ON A WET WEIGHT BASIS

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## SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	Analyzed 04/15/2010 23:52	By RJU	Analytical 429573	Batch
CAS#	Parameter		Result	RDL		MDL	Units
75-35-4	1,1-Dichloroethene	•	0.200U	0.200		0.00656	mg/l
107-06-2	1,2-Dichloroethane		0.200U	0.200		0.00344	mg/l
78-93-3	2-Butanone		0.067J	1.00		0.00373	mg/l
71-43-2	Benzene		0.200U	0.200	•	0.00217	mg/l
56-23-5	Carbon tetrachloride		0.200U	0.200		0.00592	mg/l
108-90-7	Chlorobenzene		0.200U	0.200		0.00110	mg/l
67-66-3	Chloroform		0.200U	0.200	•	0.00226	mġ/l
127-18-4	Tetrachloroethene		0.200U	0.200	,	0.00484	mg/l
79-01-6	Trichloroethene		0.200U	0.200		0.00247	mg/l
75-01-4	Vinyl chloride		0.200U	0.200		0.00372	mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Re	covery	Rec Limits
460-00 <u>`</u> 4	4-Bromofluorobenzene	2000	2170	· ug/L		109	62 - 130
1868-53-7	Dibromofluoromethane	2000	1830	ug/L		92	65 - 127
2037-26-5	Toluene d8	2000	2150	ug/L		108	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	1790	ug/L		90	62 - 127

#### SW-846 8270C TCLP

Prep Date 04/16/2010 08:0	<b>Prep Batch</b> 0 429512	Prep Method 3510C	Dilution 1	<b>Analy</b> 04/16/2	zed 2010 15:16	By KCB	Analytical 429591	Batch
CAS#	Parameter		Result	i	RDL		MDL	Units
106-46-7	1,4-Dichlorobenzene	4	0.0500U		0.0500		0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol	•	0.0500U	Ĭ	0.0500		0.0006	mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U		0.0500		0.0008	mg/L
121-14-2	2,4-Dinitrotoluene		0.0500U		0.0500		0.0012	mg/L
1319-77-3	Cresols		0.012J		0.1000		0.0024	mg/L
118-74-1	Hexachlorobenzene		0.0500U		0.0500		0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U		0.0500		0.0011	mg/L
67-72-1	Hexachloroethane	•	0.0500U		0.0500		0.0055	· mg/L
98-95-3	Nitrobenzene		0.0500U		0.0500		0.0011	mg/L
87-86-5	Pentachlorophenol		0.2500U		0.2500		0.0076	mg/L
110-86-1	Pyridine	•	0.0500U		0.0500		0.0077	mg/L
1319-77-3MP	m,p-Cresol	•	0.00773J		0.0500		0.0017	mg/L
95-48-7	o-Cresol		0.00455J		0.0500		0.0009	mg/L
CAS#. S	Surrogate	Conc. Spiked	Conc. Rec	4	Units	% Reco	very	Rec Limits
4165-60-0 N	litrobenzene-d5	250	241		ug/L		96	48 - 123
321-60-8 2	!-Fluorobiphenyl	250	285	4	ug/L		114	¹16 - 128
1718-51-0 T	erphenyl-d14	250	154		ug/L		62	38 - 167
	henol-d5	500	207	4	ug/L		41	10 - 123
367-12-4 2	!-Fluorophenol	500	210	,	ug/L		42	10 - 120
118-79-6 2	1,4,6-Tribromophenol	500	486		ug/L		97	44 - 121

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TX1005 Hydrocarbons by Range

Prep Date 04/16/2010 14	Prep Batch :00 429379	Prep Method TNRCC 1005	Dilution 2	<b>Analyzed</b> 04/20/2010 12:16	By Analyti SMH 42979	tical Batch 4
CAS#	Parameter		Result	RDL	MDL	Units
GCSV-05-02	>C12-C28	•	97800	291	254	ug/L
GCSV-05-03	>C28-C35	•	49500	291	254	ug/L
GCSV-05-01	C6-C12		291U	291	218	3 ug/L
GCSV-05-04	Total TPH (C6-C35)		147000	291	218	3 ug/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1	o-Terphenyl	16200	26400	ug/L	163*	58 - 148

## SW-846 6010B TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 8:45 429492	Prep Method SW-846 3010A	Dilution 1	<b>Analyzed</b> 04/15/2010 21:43	By Analytica CLB 429524	Il Batch
CAS#	Parameter		Result	RDL	MDL	Units
7440-36-0	Antimony		0.060U	0.060	0.0035	mg/L
7440-38-2	Arsenic		0.20U	0.20	0.0030	mg/L
7440-39-3	Barium		0.43B	1.00	0.00031	mg/L
7440-41-7	Beryllium		0.0050U	0.0050	0.000068	mg/L
7440-43-9	Cadmium		0.010U	. 0.010	0.00016	mg/L
7440-47-3	Chromium		0.013B	0.050	0.00032	mg/L
7439-92-1	Lead		0.0046B	0.10	0.0015	mg/L
7440-02-0	Nickel		0.060	0.040	0.0012	mg/L
7782-49-2	Selenium		0.0074B	0.10	0.0037	mg/L
7440-22-4	Silver		0.050U	0.050	0.00058	mg/L

## SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 8:45 429494	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 12:06	By TEA	Analytical Batch 429521	
CAS#	Parameter		Result	RDL		MDL	Units
7439-97-6	Mercury		0.020U	0.020		0.00055	mg/L

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## SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 200	Analyzed 04/16/2010 00:16	By Analytica RJU 429573	l Batch
CAS#	Parameter		Result	RDL	MDL	Units
75-35-4	1,1-Dichloroethene	•	0.200U	0.200	0.033	mg/l
107-06-2	1,2-Dichloroethane		0.299	0.200	0.017	mg/l
78-93-3	2-Butanone		1.00U	1.00	0.019	, mg/i
71-43-2	Benzene	:	0.200U	0.200	0.011	mg/l
56-23-5	Carbon tetrachloride		0.200U	0.200	0.030	mg/l
108-90-7	Chlorobenzene		0.200U	0.200	0.00548	mg/l
67-66-3	Chloroform		4.48	1.00	0.011	mg/l
127-18-4	Tetrachloroethene		0.200U	0.200	0.024	mg/l
79-01-6	Trichloroethene		0.200U	0.200	0.012	mg/l
75-01-4	Vinyl chloride		0.200U	0.200	0.019	mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10000	10200	j ug/L	102	62 - 130
1868-53-7	Dibromofluoromethane	10000	10200	ug/L	102	65 - 127
2037-26-5	Toluene d8	10000	8850	ug/L	89	71 - 134
17060-07-0	1,2-Dichloroethane-d4	10000	10000	ug/L	100	62 - 127

## SW-846 1010 Flashpoint

Prep Date	Prep Batch	Prep Method	Dilution 1	Analyzed 04/15/2010 13:42	By MDT	Analytical Batch 429555	,
CAS#	Parameter		Result	RDL		MDL	Units
000000-01-3	FlashPoint		>170	50		50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

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## SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	<b>Analyzed</b> 04/16/2010 02:37	•	nalytical Batch 9573
CAS#	Parameter		Result	RDL	N	ADL Units
75-35-4	1,1-Dichloroethene		0.200U	0.200	0.00	0656 mg/l
107-06-2	1,2-Dichloroethane		0.051J	0.200	0.00	0344 mg/L
78-93-3	2-Butanone		0.200U	0.200	0.00	0373 mg/l
71-43-2	Benzene		1.55	0.200	0.00	)217 mg/L
56-23-5	Carbon tetrachloride	TO SECTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	0.200U	0.200	0.00	0592 mg/l
108-90-7	Chlorobenzene		0.200U	0.200	0.00	0110 mg/l
67-66-3	Chloroform		0.048J	0.200	0.00	0226 mg/l
127-18-4	Tetrachloroethene		0.200U	0.200	0.00	0484 mg/l
79-01-6	Trichloroethene		0.047J	0.200	0.00	0247 mg/l
75-01-4	Vinyl chloride	÷	0.200U	0.200	0.00	0372 mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recover	y Rec Limits
460-00-4	4-Bromofluorobenzene	2000	1920	ug/L	9	6 162 - 130
1868-53-7	Dibromofluoromethane	2000	2030	ug/L	10	2 65 - 127
2037-26-5	Toluene d8	2000	1830	ug/L	. 9	2 71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	1670	ug/L	8	4 62 - 127

## SW-846 1010 Flashpoint

Prep Date	Prep Batch	Prep Method	Dilution 1	<b>Analyzed</b> 04/15/2010 13:42	By MDT	Analytical 429555	Batch
CAS#	Parameter		Result	RDL		MDL	Units
000000-01-	3 FlashPoint		>170	50		50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

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 Receive Date/Time

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 Water
 04/07/2010 15:00 | 04/09/2010 12:06 |

## SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 500	<b>Analyzed</b> 04/16/2010 00:39	By Anal RJU 4295	ytical Batch 73
CAS#	Parameter		Result	RDL	MD	L Units
75-35-4	1,1-Dichloroethene		0.500∪	0.500	0.08	32 mg/L
107-06-2	1,2-Dichloroethane		22.1	0.500	0.04	mg/L 💸 📆 ا
78-93-3	2-Butanone	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	. 12.5U	12.5	0.04	A TOTAL SECTION OF THE PERSON NAMED IN CO.
71-43-2	Benzene		1.16	0.500	0.02	7 mg/L
56-23-5	Carbon tetrachloride	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	0.500U	0.500	0:07	'4 mg/L
108-90-7	Chlorobenzene		0.500U	0.500	0.01	4 mg/L
67-66-3	Chloroform		43.4	2.50	0.02	8 / mg/L
127-18-4	Tetrachloroethene	page to the straight of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se	0.500U	0.500	0.06	i1 mg/L
79-01-6	Trichloroethene		0.500U	0.500	0.03	11 🤼 mg/L
75-01-4	Vinyl chloride		0.500U	0.500	0.04	7 mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	25000	26100	ug/L	104	62 - 130
1868-53-7	Dibromofluoromethane	25000	24700	ug/L	99	65 - 127
2037-26-5	Toluene d8	25000	23600	ug/L	94	71 - 134
17060-07-0	1,2-Dichloroethane-d4	25000	24100	ug/L	96	62 - 127

医性痛性病 医外侧畸胎 计连接 医麻痹 医二环虫的 美国	والإستان والمناورة أراب المناورة المناورة والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة والمراورة	in assert ties Espect Kieler, _ Fritzely in	(2) 据 中 中型 物品、管理作品、企業を必須ないのでは必要がある。
GCAL ID Client ID	4 Matrix	c Collect Date/Time	Receive Date/Time
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## SW-846 8260B TCLP

Prep Date	Prep Batch	Prep Method	Dilution 40	<b>Analyzed</b> 04/16/2010 01:03	By RJU	Analytical Batc 429573	1 
CAS#	Parameter		Result	RDL		MDL	Units
75-35-4	1,1-Dichloroethene		0.200U	0.200		0.00656	mg/l
107-06-2	1,2-Dichloroethane	•	0.200U	0.200		0.00344	mg/L
78-93-3	2-Butanone		0.200U	0.200		0.00373	mg/l
71-43-2	Benzene		0.200ป	0.200		0.00217	mg/l
56-23-5	Carbon tetrachloride		0.200U	0.200		0.00592	mg/L
108-90-7	Chlorobenzene		0.200U	0.200		0.00110	mg/L
67-66-3	Chloroform		0.052J	0.200		0.00226	mg/L
127-18-4	Tetrachloroethene		0.200U	0.200		0.00484	mg/l
79-01-6	Trichloroethene		0.200U	0.200		0.00247	mg/l
75-01-4	Vinyl chloride	,	0.200U	0.200		0.00372	mg/l
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Rec	overy Re	c Limits
460-00-4	4-Bromofluorobenzene	2000	2040	ug/L		102	32 - 130
1868-53-7	Dibromofluoromethane	2000	2020	ug/L		101	65 <i>-</i> 127
2037-26-5	Toluene d8	2000	1980	ug/L		99	71 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	1870	ug/L		94	S2 - 127

## SW-846 8270C TCLP

Prep Date 04/16/2010 08:	<b>Prep Batch</b> 00 429512	Prep Method 3510C	Dilution 1	<b>Analyzed</b> 04/16/2010 15:32	By KCB	Analytical Batch 429591	1
CAS#	Parameter		Result	RDL		MDL	Units
106-46-7	1,4-Dichlorobenzene		0.0500U	0.0500		0.0006	mg/L
95-95-4	2,4,5-Trichlorophenol		0.0500U	0.0500		0.0006	mg/L
88-06-2	2,4,6-Trichlorophenol		0.0500U	0.0500		0.0008	mg/L
121-14-2	2,4-Dinitrotoluene		0.0500U	0.0500		0.0012	mg/L
1319-77-3	Cresols		0.1000U	0.1000		0.0024	mg/L
118-74-1	Hexachlorobenzene		0.0500U	0.0500		0.0013	mg/L
87-68-3	Hexachlorobutadiene		0.0500U	0.0500		0.0011	mg/L
67-72-1	Hexachloroethane		0.0500U	0.0500		0.0055	mg/L
98-95-3	Nitrobenzene		0.0500U	0.0500		0.0011	mg/L
87-86-5	Pentachlorophenol	•	0.2500U	0.2500		0.0076	mg/L
110-86-1	Pyridine		0.0500U	0.0500		0.0077	mg/L
1319-77-3MP	m,p-Cresol		0.0500U	0.0500		0.0017	mg/L
95-48-7	o-Cresol		0.0500U	0.0500		0.0009	mg/L
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Rec	overy Red	Limits
4165-60-0	Nitrobenzene-d5	250	244	ug/L		98 4	8 - 123
321-60-8	2-Fluorobiphenyl	250	247	ug/L		99 1	6 - 128
1718-51-0	Terphenyl-d14	250	182	ug/L		73 3	8 - 167
4165-62-2	Phenol-d5	500	211	ug/L		42 1	0 - 123
367-12-4	2-Fluorophenol	500	313	ug/L		63 1	0 - 120
118-79-6	2,4,6-Tribromophenol	500	512	ug/L		102 4	4 - 121

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#### SW-846 6010B TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 8:45 429507	Prep Method SW-846 3010A	Dilution 1	Analyzed 04/15/2010 23:56	-	alytical Batch 524
CAS#	Parameter		Result	RDL	Mi	DL Units
7440-38-2	Arsenic		0.20U	0.20	0.00	030 mg/L
7440-39-3	Barium		0.47B	1.00	0.00	031 mg/L
7440-43-9	Cadmium	•	0.010U	0.010	0.000	016 mg/L
7440-47-3	Chromium	•	0.050U	0.050	0.000	032 mg/L
7439-92-1	Lead		0.0028B	0.10	0.00	015 mg/L
7782-49-2	Selenium		0.041B	0.10	0.00	037 mg/L
7440-22-4	Silver	•	0.0036B	0.050	0.000	058 mg/L

## SW-846 7470A TCLP

Prep Date 04/15/2010 08	<b>Prep Batch</b> 3:45 429508	Prep Method SW-846 7470A	Dilution 1	Analyzed 04/15/2010 12:14	•	nalytical Batch 9521	
CAS#	Parameter		Result	RDL	N	MDL	Units
7439-97-6	Mercury		0.0020U	0.0020	0.000	0055	mg/L

## SW-846 1010 Flashpoint

Prep Date	Prep Batch	Prep Method	Dilution 1	<b>Analyzed</b> 04/15/2010 13:42	By MDT	Analytical Batch 429555	
CAS#	Parameter		Result	RDL	-	MDL	Units
000000-01-3	FlashPoint		>170	50		50	Deg F

RESULTS REPORTED ON A WET WEIGHT BASIS

## GC/MS Volatiles Quality Control Summary

Analytical Bat	ch 429573	Client ID	MB429573			LCS429573			LCSD429573			
Prep Bat	tch N/A	GCAL ID	819322		•	819323			819324			1
		Sample Type	Method Blank			LCS			LCSD			1
		Analytical Date	04/15/2010 20:57			04/15/2010 19:11			04/15/2010 19:34			
		Matrix	Water			Water			Water			1
814	V-846 8260B	TCLD	Units	mg/L	Spike	Result		Control	Beault			RPD
30	V-040 020UD	ICLP	Result	RDL	Added	Kesuit	% R	Limits % R	Result	% R	RPD	Limit
56-23-5	Carbon tetrachl	oride	0.00500U	0.00500	0.050	0.045	90	76 - 128	0.048	97	6	30
67-66-3	Chloroform		0.00500U	0.00500	0.050	0.045	91	75 - 122	0.049	99 -	9	30
107-06-2	1,2-Dichloroeth	ane <i>j</i>	0.00500U	0.00500	0.050	0.045	89	71 - 129	0.048	96	6	30
78-93-3	2-Butanone		. 0.025U	0.025	0.050	0.042	84	58 - 137	0.048	95	13	30
127-18-4	Tetrachloroethe	ene	0.00500U	0.00500	0.050	0.048	95	68 - 128	0.048 ੍	96.	0	30
75-01-4	Vinyl chloride		0.00100U	0.00100	0.050	0.041	83	68 - 132	0.046	- 92	11	30
75-35-4	1,1-Dichloroeth	ene	0.00500U	0.00500	0.050	0.045	90	69 - 129	0.046	91	2	20
71-43-2	Benzene		0.00500U	0.00500	0.050	0.046	91	70 - 129	0.050	100	8	20
79-01-6	Trichloroethene		0.00500U	0.00500	0.050	0.048	96	76 - 129	0.049	98	2	20
108-90-7	Chlorobenzene		0.00500U	0.00500	0.050	0.046	91	74 - 123	0.052	103	12	20
Surrogate												
460-00-4	4-Bromofluorob	enzene	46.8	94	50	48.4	97	62 - 130	45.9	92		
1868-53-7	Dibromofluoron	nethane	. 49	98	50	49.4	99	65 - 127	48.7	97		
2037-26-5	Toluene d8		46.8	94	50	48.9	98	71 - 134	44.5	89		
17060-07-0	1,2-Dichloroeth	ane-d4	46.2	92	50	48.8	98	62 - 127	46	92		

Analytical Ba	atch 429573	Client ID	T6			T6 MS			T6 MSD			
Prep Ba	atch N/A	GCAL ID	21004122903			21004122904			21004122905			ľ
	•	Sample Type	SAMPLE		•	MS			MSD			ľ
,		Analytical Date	04/15/2010 21:35			04/15/2010 22:42			04/15/2010 23:04			
		Matrix	Water			Water			Water			
Ġ i	N 946 9260B	TCLD	Units	mg/L	Spike	Result		Control	Popult			RPD
SW-846 8260B TCLP		Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit	
75-35-4	1,1-Dichloroeth	nene	0.00	0.500	5.00	4.26	85	69 - 129	4.42	88	4	30
107-06-2	1,2-Dichloroeth	nane	6.91	0.500	5.00	10.6	- 74	71 - 129	9.17	45*	14	30
78-93-3	2-Butanone	•	0.00	2.50	5.00	3.58	72	58 - 137	3.60	72	0.6	30
71-43-2	Benzene	•	0.802	0.500	5.00	5.24	89	70 - 129	5.14	87	2	30
56-23-5	Carbon tetrach	loride	0.00	0.500	5.00	4.24	85	76 - 128	4.44	89	5	. 30
108-90-7	Chlorobenzene	) . · ·	0.00	0.500	5.00	4.40	88	74 - 123	4.51	90	2	30
67-66-3	Chloroform		5.36	0.500	5.00	8.71	67*	75 - 122	7.36	40*	17	30
127-18-4	Tetrachloroethe	ene	0.00	0.500	5.00	4.64	93	68 - 128	4.57	91	2	30
79-01-6	Trichloroethene	Э.	0.245	0.500	5.00	4.57	87	76 - 129	4.45	84	3	30

## GC/MS Volatiles Quality Control Summary

Analytical Bate	h 429573	Client ID	T6			T6 MS			T6 MSD			
Prep Bato	h N/A	GCAL ID	21004122903			21004122904			21004122905		-	
		Sample Type	SAMPLE			MS			MSD			1
,		Analytical Date	04/15/2010 21:35		•	04/15/2010 22:42			04/15/2010 23:04			1
		Matrix	Water			Water		,	Water			
sw	-846 8260B	TCLP	Units Result	mg/L <b>RD</b> L	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
75-01-4	Vinyl chloride	•	0.00	0.100	5.00	4.37	87	68 - 132	4.34	87	0.7	30
Surrogate		•					ļ					
460-00-4	4-Bromofluorob	enzene	5020	100	5000	5030	101	62 - 130	4910	98	}	į
1868-53-7	Dibromofluoron	nethane	. 5010	. 100	5000	4800	96	65 - 127	4990	100	'	
2037-26-5	Toluene d8		5010	100	5000	4980	100	71 - 134	5100	102	1	
17060-07-0	1,2-Dichloroeth	ane-d4	4600	92	5000	4610	92	62 - 127	4660	93		

## GC/MS Semi-Volatiles Quality Control Summary

Analytical Batci	429591	Client ID	MB429512			LCS429512			LCSD429512			
Prep Batch	429512	GCAL ID	818949			818950			818951.			ľ
Prep Method	3510C	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	04/16/2010 08:00		,	04/16/2010 08:00			04/16/2010 08:00			
,	•	Analytical Date	04/16/2010 13:10			04/16/2010 13:25			04/16/2010 13:41			ľ
		Matrix	Water			Water			Water	•		
CIAL	046 93706	TOLD	Units	mg/L	Spike	S #		Control	514			RPD
SVV-	846 8270C	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
118-74-1	Hexachlorober	zene	0.0500U	0.0500		TET 2. D.		** .			=-	
87-68-3	Hexachlorobut	adiene	0.0500U	0.0500			1					]
67-72-1	Hexachloroeth	ane	0.0500U	0.0500								.
95-48-7	o-Cresol		0.0500U	0.0500								
98-95-3	Nitrobenzene		0.0500U	0.0500	•		1				}	
95-95-4	2,4,5-Trichloro	phenol	0.0500U	0.0500								
88-06-2	2,4,6-Trichloro	phenol	0.0500U	0.0500			i					
110-86-1	Pyridine		0.0500U	0.0500				l			}	1
1319-77-3	Cresols		· 0.1000U	0.1000		•						
1319-77-3MP	m,p-Cresol		0.0500U	0.0500		1					ļ	\ \ \
106-46-7	1,4-Dichlorobe	nzene	0.0500U	0.0500	0.100	0.095	95	22 - 120	0.086	86	10	30
121-14-2	2,4-Dinitrotolue	ene	0.0500∪	0.0500	0.100	0.110	110	37 - 138	0.108	108	. 2	33
87-86-5	Pentachloroph	enol	0.2500U	0.2500	0.100	0.070	70	25 - 158	0.074	74	6	32
Surrogate			·	ĺ				·				1.
4165-60-0	Nitrobenzene-	d5	41.5	83	50	50.5	101	48 - 123	47.4	95		
321-60-8	2-Fluorobipher	ıyl	40.6	81	50	50.6	101	16 - 128	44.6	89	ĺ	i l
1718-51-0	Terphenyl-d14		31.8	64	50	39.2	78	38 - 167	36.6	73	[	•
4165-62-2	Phenol-d5		28.8	29	100	35.4	35	10 - 123	33.2	33		
367-12-4	2-Fluoropheno	1	44.5	45	100	52.2	52	10 - 120	45.7	46		
118-79-6	2,4,6-Tribromo	phenol	93.8	94	100	112	112	44 - 121	106	106	<u> </u>	\ \

Analytical Ba	ch 429591	Client I	D T6			T6 MS			T6 MSD			
Prep Bar	ch 429512	GCAL II	21004122903	•		21004122904			21004122905			
Prep Meth	od 3510C	Sample Type	SAMPLE			MS			MSD			
		Prep Date	9 04/16/2010 08:00			04/16/2010 08:00			04/16/2010 08:00			
		Analytical Date	e 04/16/2010 14:28		,	04/16/2010 14:44			04/16/2010 15:00			
		Matri	Water			Water			Water			
SV	V-846 8270	C TCLP	Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
106-46-7	1,4-Dichlorol	enzene	0.00	0.0500	0.500	0.414	83	22 - 120	0.470	94	13	30
121-14-2	2,4-Dinitrotol	uene	0.00	0.0500	0.500	0.527	105	.37 - 138	0.527	105	0	. 33

## GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	1 429591	Client ID	T6			T6 MS			T6 MSD			
Prep Batch	1 429512	GCAL ID	21004122903			21004122904			21004122905			
Prep Method	3510C	Sample Type	SAMPLE			MS		i	MSD		2	
	•	Prep Date	04/16/2010 08:00			04/16/2010 08:00			04/16/2010 08:00			
_		Analytical Date	04/16/2010 14:28			04/16/2010 14:44			04/16/2010 15:00			
		Matrix	Water			Water			Water		,	
C1A/	846 8270C	TCLD	Units	mg/L	Spike	Result		Control	Result			RPD
300-	040 02/00	ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R.	RPD	Limit
87-86-5	Pentachlorophe	enol	0.00	0.2500	0.500	0.403	81	25 - 158	0.424	85	5	32
Surrogate												
4165-60-0	Nitrobenzene-c	15	218	87	250	229	92	48 - 123	244	98		
321-60-8	2-Fluorobiphen	yl	212	85	250	239	96	16 - 128	245	98		
1718-51-0	Terphenyl-d14		. 174	. 70	250	182	73	38 - 167	181	72		
4165-62-2	Phenol-d5	,	227	45	500	219	44	10 - 123	222	44	:	ĺĺ
367-12-4	2-Fluorophenol		311	62	500	287	57	10 - 120	307	61		
118-79-6	2,4,6-Tribromo	phenol	496	99	500	532	106	44 - 121	512	102		

## General Chromatography Quality Control Summary

Analytical Batch	429750	Client ID	MB429379			LCS429379			LCSD429379			
Prep Batch	429379	GCAL ID	818201			818202			818203			
Prep Method	TNRCC 1005	Sample Type	Method Blank			LCS			LCSD			
		Prep Date	04/16/2010 14:00			04/16/2010 14:00			04/16/2010 14:00		-	1
-		Analytical Date	04/16/2010 14:07			04/16/2010 14:37			04/16/2010 15:08	•		
	İ	Matrix	Water			Water			Water			
TV1005 UV	dragarhar	o by Panga	Units	ug/L	Spike	Result		Control	Result			RPD
IVIOOSUN	urocarboi	is by Range	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
GCSV-05-01	C6-C12		142U	142					11111111111111111111111111111111111			
GCSV-05-02	>C12-C28	,	142U	142								
GCSV-05-03	>C28-C35		142U	142								
GCSV-05-04	Total TPH (C6-	C35)	142U	142	· 57700	47400	82	75 - 125	45200	78	5	20
Surrogate	,											
84-15-1	o-Terphenyl	_	20300	128	16000	18600	116	58 - 148	17000	105		

Analytical Batch 42979	94	Client ID	T6			T6 MS			T6 MSD			
Prep Batch 42937	79	GCAL ID	21004122903			21004122904			21004122905			'
Prep Method TNRC	C 1005	Sample Type	SAMPLE			MS			MSD ·			
		Prep Date	04/16/2010 14:00			04/16/2010 14:00			04/16/2010 14:00			
		Analytical Date	04/20/2010 11:18			04/20/2010 11:47			04/19/2010 18:19			
		Matrix	Water			Water	•		Water			
TX1005 Hydroc	arbons	by Range	Units Result	ug/L <b>RDL</b>	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
i	PH (C6-C3	5)	0.00	145	59800	51600	86	75 - 125	51400	86	0.4	20
Surrogate 84-15-1 o-Terph	henyl		18000	112	16600	19800	119	58 - 148	20800	126		

Analytical Batch	429524	Client ID	MB429492			LCS429492		
Prep Batch	429492 ⁻	GCAL ID	818811			818812		,
Prep Method	SW-846	Sample Type	Method Blank		•	LCS		
	3010A	Prep Date	04/15/2010 08:45			04/15/2010 08:45		
		Analytical Date	04/15/2010 20:21			04/15/2010 20:42		
,		Matrix	Water			Water		
. 6/1/	346 6010B	TCLD	Units	mg/L	Spike	Result		Control
344-0	40 00 100	LCLP	Result	RDL	Added	Result	% R	Limits % R
7440-36-0	Antimony		0.060U	0.060	0.50	0.50	100	80 - 120
7440-38-2	Arsenic		0.20U	0.20	0.50	0.54	107	80 - 120
7440-39-3	Barium		1.00U	1.00	0.50	0.53	106	80 - 120
7440-41-7	Beryllium		0.0050U	0.0050	0.50	0.52	104	80 - 120
7440-43-9	Cadmium	•	0.010U	. 0.010	0.50	0.53	106	80 - 120
7440-47-3	Chromium		0.00091B	0.050	0.50	0.53	106	80 - 120
7439-92-1	Lead		0.10U	0.10	0.50	0.54	109	80 - 120
7440-02-0	Nickel		0.040U	0.040	0.50	0.53	106	80 - 120
7782-49-2	Selenium		0.10U	0.10	0.50	0.53	106	80 - 120
7440-22-4	Silver		0.050U	0.050	0.50	0.53	106	80 - 120

Analytical Bate	ch 429524	Client ID	MB429507 -			LCS429507		
Prep Bate	ch 429507	GCAL ID	818922			818923		
Prep Metho	od SW-846	Sample Type	Method Blank	*		LCS		
	3010A	Prep Date	04/15/2010 08:45			04/15/2010 08:45		
•	•	Analytical Date	04/15/2010 23:28			04/15/2010 23:35		
		Matrix	Water			Water		
CIA	1 0 4 6 6 0 4 0 1	D TCI D	Units	mg/L	Spike	D/4		Control
344	/-846 6010I	B ICLP	Result	RDL	Added	Result	.%R	Limits % R
7440-38-2	Arsenic		0.20U	0.20	0.50	0.51	102	80 - 120
7440-39-3	Barium		0.0012B	1.00	0.50	0.50	99	80 - 120
7440-43-9	Cadmium		0.010U	0.010	0.50	0.52	104	80 - 120
7440-47-3	Chromium		0.050U	0.050	0.50	0.50	. 99	80 - 120
7439-92-1	Lead		0.10U	0.10	0.50	0.50	99	80 - 120
7782-49-2	Selenium		0.032B	0.10	0.50	0.59	118	80 - 120
7440-22-4	Silver		0.0030B	0.050	0.50	0.51	102	80 - 120

<b>Analytical Batch</b>	429524	Client ID	T6			T6 MS			T6 MSD			
Prep Batch	429492	GCAL ID	21004122903	• •		21004122904			21004122905			
Prep Method	SW-846	Sample Type	SAMPLE			MS			MSD			1
	3010A	Prep Date	04/15/2010 08:45			04/15/2010 08:45			04/15/2010 08:45			
		Analytical Date	04/15/2010 20:48			04/15/2010 20:55			04/15/2010 21:02			
		Matrix	Water			Water `			Water			
SW/ S	346 6010E	TCLD	Units	mg/L	Spike	Beault		Control	Popult			RPD
344-0	40 00 10	5 ICLP	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
7440-36-0	Antimony		0.0	0.060	0.50	0.47	94	75 - 125	0.49	- 98	4	20
7440-38-2	Arsenic	•	0.016	0.20	0.50	0.53	102	75 - 125	0.55	106	4	20
7440-39-3	Barium		2.42	1.00	0.50	2.82	80	75 - 125	2.99	115	6	20
7440-41-7	Beryllium		0.0	0.0050	0.50	0.49	98	75 - 125	0.51	101	4	20
7440-43-9	Cadmium		0.0058	0.010	0.50	0.49	97	75 - 125	0.51	100	4	20
7440-47-3	Chromium		0.0021	0.050	0.50	0.49	97	75 - 125	. 0.50	100	2	20
7439-92-1	Lead		0.013	0.10	0.50	0.49	96	75 - 125	0.51	100	4	20
7440-02-0	Nickel		0.50	0.040	0.50	0.96	92	75 - 125	1.01	102	5	20
7782-49-2	Selenium		0.0	0.10	0.50	0.50	100	75 - 125	0.51	102	2	20
7440-22-4	Silver	·	0.0	0.050	0.50	0.49	98	75 - 125	0.51	103	4	20

Analytical Batch	429524	Client ID	MARCH 2010 CHIP	SAMPLE		817987MS			817987MSD			
Prep Batch	429507	GCAL ID	21004122401	•		818925			818924			
Prep Method	I SW-846	Sample Type	SAMPLE .			MS			MSD			ł
	3010A	Prep Date	04/15/2010 08:45	•		04/15/2010 08:45			04/15/2010 08:45			]
	,	Analytical Date	04/15/2010 22:04		•	04/15/2010 22:11		•	04/15/2010 22:18			•
}		Matrix	Solid			Solid :		: .	Solid			
SW	846 6010B	TCLD	Units	mg/L	Spike	Result		Control	Result			RPD
344-	040 00 100	ICLF	Result	RDL	Added	Result	% R	Limits % R	Result	% R	RPD	Limit
7440-38-2	Arsenic		. 0.0	0.20	0.50	0.52	103	75 - 125	0.51	102	2	20
7440-39-3	Barium		0.21	1.00	0.50	0.71	101	75 - 125	0.72	102	1	20
7440-43-9	Cadmium		0.00041	0.010	0.50	0.53	105	75 - 125	0.52	105	2	20
7440-47-3	Chromium		0.0	0.050	0.50	0.50	101	75 - 125	0.50	101	0	20
7439-92-1	Lead		2.55	0.10	0.50	3.06	102	75 - 125	3.07	104	0.3	20
7782-49-2	Selenium		0:020	0.10	0.50	0.60	116	75 - 125	0.58	113	3	20
7440-22-4	Silver		0.048	0.050	0.50	0.57	105	75 - 125	0.58	106	2	20

7439-97-6	Mercury		0.0020U	0.0020	0.00500	0.00504	101	80 - 120
SW-8	346 7470 <i>A</i>	TCLP	Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R
	•	Matrix	Water			Water		
		Analytical Date	04/15/2010 11:53			04/15/2010 11:55		
	7470A	Prep Date	04/15/2010 08:45			04/15/2010 08:45		
Prep Method	SW-846	Sample Type	Method Blank			LCS		
Prep Batch	429494	GCAL ID	818820			818821		
Analytical Batch	429521	Client ID	MB429494			LCS429494		<del>-</del> .

7439-97-6	7439-97-6 Mercury			0.0020	0.00500	0.00482	96	80 - 120
SW-8	SW-846 7470A TCLP		Units Result	mg/L <b>RDL</b>	Spike Added	Result	% R	Control Limits % R
L		Matrix	Water			Water		
		Analytical Date	04/15/2010 12:08			04/15/2010 12:13		
	7470A	Prep Date	04/15/2010 08:45			04/15/2010 08:45		
Prep Method	Prep Method         SW-846         Sample Type         Method Blank           7470A         Prep Date         04/15/2010 08:45					LCS		
Prep Batch	429508	GCAL ID	818928			818929		•
Analytical Batch	429521	Client ID	MB429508			LCS429508		

<b>Analytical Batch</b>	429521	Client ID	T6			T6 MS			T6 MSD			
Prep Batch	429494	GCAL ID	21004122903			21004122904			21004122905			
Prep Method	SW-846	Sample Type	SAMPLE	•		MS ·			MSD			-
	7470A	Prep Date	04/15/2010 08:45			04/15/2010 08:45			04/15/2010 08:45			
		Analytical Date	04/15/2010 11:56			04/15/2010 11:58			04/15/2010 12:00	•		
		Matrix	Water			Water	-		Water			
S/W/S	346 7470A	TCLD	Units	mg/L	Spike	Result		Control	Result			RPD
344-0	940 /4/UP	LICLE	Result	RDL	Added	Result	% R	Limits % R	Kesuit	% R	RPD	Limit
7439-97-6	Mercury		0.00011	0.0020	0.00500	0.00527	103	75 - 125	0.00526	103	0.2	20

7439-97-6	Mercury		0.00000	0.0020	0.00500	0.00512	102	75 - 125	0:00508	102	0.8	20
SW-8	346 7470A	TCLP	Units Result	mg/L <b>RDL</b>	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
		Matrix	Solid			Solid			Solid			
		Analytical Date	04/15/2010 12:14			04/15/2010 12:16		•	04/15/2010 12:17			
	7470A	Prep Date	04/15/2010 08:45			04/15/2010 08:45			04/15/2010 08:45			•
Prep Method	SW-846	Sample Type	SAMPLE			MS			MSD			
Prep Batch	429508	GCAL ID	21004122912			818930			818931			
Analytical Batch	429521	Client ID	T22			818046MS			818046MSD			

## General Chemistry Quality Control Summary

Analytical Batch 429555 Prep Batch N/A	Client ID GCAL ID Sample Type Analytical Date Matrix	820399 LCS	2		
SW-846 1010 Flashpoint		Spíke Added	Result	% R	Control Limits % R
000000-01-3 FlashPoint		90	. 91	101	97.8 -102.2

## General Chemistry Quality Control Summary

ASTM D240 Heat of Combustion  WET-014 Heat of Combustion		Result 14197	RDL 90	Result	RPD	Limit 25
A CTM DO40 Heat of Combinetion		Units	BTU/lb			RPD
	Matrix	Solid		Solid .		
	Analytical Date	04/20/2010 08:00		04/20/2010 08:00		
	Prep Date	04/20/2010 08:00		04/20/2010 08:00		
Prep Method EPA 1010	Sample Type	SAMPLE		DUP		
Prep Batch 429779	GCAL ID	21004091501	•	820745		
Analytical Batch 429780	Client ID	OIL BURN		817500DUP		

## General Chemistry Quality Control Summary

Analytical Batch 429420	Client ID	126127		816248DUP		
Prep Batch N/A	GCAL ID	21004061901		818415		
	Sample Type	SAMPLE		DUP ·		
	Analytical Date 04/13/2010 09:38			04/13/2010 09:38		
	Matrix	Solid		Solid		
ASTM E202-06	ASTM E203-96 WaterK		%	Result		RPD
ASTWI L203-30 WaterN		Result	RDL	Result	RPD	Limit
W-02-8 Karl Fisher H20	)	11.2	0.100	11.7	4.37	25

# GCAL

#### CHAIN OF CUSTODY RECORD

duct cdast analytical calionatories, inc 7979 GSRI Avenue, Baton Rauge, Louisiana 70820-7402 Phone 225 769 4900 - Pax 225 767,5717		Columbia	Env		2,000		4-26-10
	,	ent Name		Client if		Orkorder #	Due Date
Report to:  Client: Chambia Enu. Scales  Address: 13232 Recreston  Holyton TX 77031  Contact: Tany Maga  Phone: 13-81-8-48-5  Fax: 381-42-117  Project Name/Number  10-406-60   Culton Maga  Sampled By:			124 8360 5178 8370	RAF CO	Method	Lab use only:  Custody Seal  used  yes  in fact  yes  Temperature °C ,	no no
Matrix Date Time 6 5 Sample Description	•	Preservatives Containe		X 768A TPH	Ā	Remarks:	Lab ID
1 300 X T4 V 100 T6 4/7/100 T3 Hace T5		3,0				ms/msO	3 45-
1200 T/C 1000 T/B 1800 T/C 1500 T/C		27.000					8 9 10
V V 1015 V 722		N 1					. 7
Turn Around Time: 24-48 hrs. 3	days 1 week	Standard	Other_				,
Kell hquisped by (Signature) Received by Light	: (Signature) D	ate: Time: 1910 1920 Time: Time:	Note:				
Relinquished by: (Signature) Received by	: (Signature) 0	ate: Time:	By submittin	ng these samples, you a contained in our most re	agree to the terms a scent schedule of s	and arvices.	·
Matrixt: W er. S = sod, SD = solid, L = figuid.	SL = sludge, o = oil, CT = ch	arcoal tube, A = .	ı W	le cannot accept ver	bal changes. Pie	ase fax written chang	es t

DATA VALIDATION C	IECKLI	ST		
(Level III)				
Client Name: Pastor, Behling, & Wheeler	Project	Number	: 1597E	3
Property Location: Gulfco Superfund Site	Project	Manage	r: Eric	Pastor
Laboratory: GCAL – Baton Rouge, LA	Labora	tory Job	No.: 21	1011405
Reviewer: Taryn Scholz/ Don Flory (QAA, L.L.C.)	<del> </del>	hecked: 2		·
ITEM	Yes	No	NA	Comment Number
Chain of Custody (COC) and Sample Receipt at Lab	103	1 110	1112	Comment i tumber
Signed COCs included and seals used?	X	,	I	
2. Date and time of sample collection included?	X			
3. All samples listed on the COC analyzed for in accordance with			x	
the RI/FS Work Plan?		1		
4. Field QC sample frequency met project requirements?	х			
5. Sample receipt temperature 2-6°C?	х			
6. Samples preserved appropriately?	x	'		
7. Samples received within 2 days of collection?	х			
8. No problems noted?	х			
Laboratory Report and Data Package	•	.!		
9. Signed Case Narrative included?	х	1		
10. No analytical discrepancies noted in case narrative?		х		10.
11. Elevated reporting limits justified?	Х			11.
12. MDLs reasonable per MDL Check?	X			
13. Calibration data acceptable?		х		see Attachment 1
14. ICV and CCV recoveries within project control limits?		Х		see Attachment 1
15. ICB and CCB results <rl (mql)?<="" td=""><td></td><td></td><td>х</td><td></td></rl>			х	
16. Internal standard areas within project control limits?	х			
Laboratory EDD				
17. Field sample IDs included?	X			
18. Laboratory sample IDs included?	X			
19. Date of analysis included?	X			
20. Date of sample preparation included?	X			20.
21. Samples prepared within holding time?	Х			
22. Samples analyzed within holding time?	х			
23. Detection limit and quantitation limit included?	X			
24. Project target limits achieved?		X		24.
25. No elevated reporting limits for NDs?		. X	ļ	25.
26. Method references included?	X	ļ		
27. Sample matrix included?	X	ļ		
28. Sample result units reported correctly?	X			28.
29. Soil/ sediment results corrected for dry-weight?	X .X			
30. Method blank results <rl (mdl)?<="" td=""><td>ļ·</td><td></td><td></td></rl>		ļ·		
31. Equipment and Trip blank results <rl (mdl)?<="" td=""><td>X</td><td></td><td></td><td></td></rl>	X			
32. All COIs included in LCS?	X			32.
33. LCS recovery within project control limits?	ļ	X		see Attachment 1
34. MS/MSD recoveries within project control limits?		X		see Attachment 1
35. LCS/LCSD RPDs within project control limits?	-	X		see Attachment 1
36. MS/MSD RPDs within project control limits?	-	X		see Attachment 1
37. Laboratory duplicate RPDs/Diffs within project control limits?	ļ	<u> </u>	Х	goo Attachment 1
38. Field duplicate RPDs/Diffs within project control limits?		X	<b> </b>	see Attachment 1
<ul><li>39. Surrogate recoveries within project control limits?</li><li>40. Completeness percentage within project limits?</li></ul>	-	x		see Attachment 1
40. Completeness percentage within project limits?	<u> </u>	L		

Definitions:		
CCB – Continuing Calibration Blank; CCV – Continuing		
Calibration Verification; COI – Compounds of Interest; DCS –		
Detectability Check Sample; ICB – Initial Calibration Blank; ICV		•
– Initial Calibration Verification; LCS – Laboratory Control		
Sample; LCSD – Laboratory Control Sample Duplicate; MDL –	1	
Method Detection Limit; MS/MSD – Matrix Spike/Matrix Spike	a i	
Duplicate; RL – Reporting Limit; RPD – Relative Percent		
Difference	, ,	

#### **COMMENTS**

Level IV Check - GC/MS RRF for instrument calibration also included in Level III checks after deficiencies noted in first samples – see attached for deficiencies noted

- 10. Issues noted for all parameters. All are based on laboratory limits, which do not affect flagging for this site.
- 11. All VOC soil samples diluted (med level MeOH extraction and higher) to bracket TA concentrations in calibration range; SVOC sample 04 diluted (10x) to bracket a TA concentration in calibration range, SUs diluted out for this analysis (undiluted analysis also reported and it has acceptable surrogate recoveries)
- 20. Note: QC Batch ID in EDD is for the analytical batch rather than the preparation batch as given for all previous EDDs.
- 24. Actual MDLs are above the target MDLs for the following:

Target MDL (mg/kg)

Actual MDL (mg/kg)

n-Butyl alcohol

0.0083

0.0183

Benzidine

0.067

1.65

Actual MQLs are above the target MQLs for the following:

Target MQL (mg/kg)

Actual MQL (mg/kg)

Benzidine

1.32

1.65

(Note: For n-Butyl alcohol, both the actual MDL and target MDL are below the comparison criteria. For Benzidine, neither the actual MDL nor the target MDL is below the comparison criteria, which is exceedingly low.)

- 25. The VOC soil samples were analyzed as high level soils (50x dilution), some with additional dilution (up to 200x) for non-detects.
- 28. Results, SDLs, and SQLs are in mg/kg dry-weight or mg/L as requested. However, the user should note that the MDLs and MQLs for organics are in ug/kg or ug/L. This is not accounted for in the Prep Factor or Dilution Factor, except for aqueous SVOC results.
- 32. All analytes routinely spiked by lab are included as per QAPP. This is every TA except n-Butyl alcohol and Benzidine.

#### SET SUMMARY Laboratory Job No.: 211021405

11	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
2	Number of VOC Trip Blanks
2	Number of Parameters (VOC, SVOC)
145	Number of Target Analytes per Sample
1595	Total Measurements for Field Samples
1311	Number of measurements with no validation qualifier (i.e., "none" in EDD)
93	Number of measurements with UJ flag (for various analytes due to low laboratory and/or matrix spike recovery; poor calibration fit and/or negative drift)
32	Number of measurements with UJ flag and an elevated SDL (for 2-Chloroethylvinyl ether, Acrolein, and n-Butyl alcohol due to poor instrument response, i.e., low RRF)
0	Number of measurements with J- flag
120	Number of measurements with J flag (due solely to result being between the SDL and SQL)
23	Number of measurements with J flag (for 2-Methylnaphthalene, Acenaphthylene, and Isopropylbenzene (Cumene) due to poor field duplicate precision)
4	Number of measurements with J flag (for Pyrene due to result being between the SDL and SQL plus calibration positive drift)
1	Number of measurements with J+ flag (for Pyrene due to calibration positive drift)
0	Number of measurements with U flag
0	Number of measurements with NS flag
11	Number of measurements with R flag (for Benzaldehyde due to extremely low laboratory spike recovery (8.5%), low matrix spike recovery, and calibration negative drift)
100%	Completeness-to-date on a sample level (percentage of removal verification samples with usable data, project goal 90%)
0%	Completeness-to-date on an analyte level (percentage of removal verification samples with usable data for a specific analyte, project goal 80%) – Benzaldehyde
100%	Completeness-to-date on an analyte level (percentage of removal verification samples with usable data for a specific analyte, project goal 80%) – all other target analytes

Usability:

All data is suitable as qualified for the intended use except the eleven results for Benzaldehyde (all non-detects). Data for 2-Chloroethylvinyl ether, Acrolein, and n-Butyl alcohol are usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable).

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
BLIND DUP	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
BLIND DUP	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
BLIND DUP	Benzene	J	result between SDL and SQL
BLIND DUP	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)
BLIND DUP	Naphthalene	J	result between SDL and SQL
BLIND DUP	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)
BLIND DUP	Styrene	J	result between SDL and SQL
BLIND DUP	Toluene	J	result between SDL and SQL
BLIND DUP	Xylene (total)	J	result between SDL and SQL
BLIND DUP	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
BLIND DUP	2-Methylnaphthalene	J	poor field duplicate precision (74 RPD)
BLIND DUP	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)
BLIND DUP	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
BLIND DUP	4-Chloroaniline	· UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
BLIND DUP	Acenaphthylene	J	large difference between field duplicate pair (> 3 x MQL)
BLIND DUP	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
BLIND DUP	Anthracene	J	result between SDL and SQL
BLIND DUP	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
BLIND DUP	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D= -24)
BLIND DUP	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)
BLIND DUP	Biphenyl	J	result between SDL and SQL
BLIND DUP	Diethyl phthalate	J	result between SDL and SQL
BLIND DUP	Fluoranthene	J	result between SDL and SQL
BLIND DUP	m,p-Cresol	J	result between SDL and SQL
BLIND DUP	o-Cresol	J	result between SDL and SQL
BLIND DUP	Pyridine	UJ	Low ave MS/MSD recovery (59%)
NC-0-0.3	1,1,1-Trichloroethane	J	result between SDL and SQL
NC-0-0.3	1,2,4-Trimethylbenzene	J	result between SDL and SQL
NC-0-0.3	1,3,5-Trimethylbenzene	J	result between SDL and SQL
NC-0-0.3	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
NC-0-0.3	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
NC-0-0.3	Benzene	J	result between SDL and SQL
NC-0-0.3	Cyclohexane	J	result between SDL and SQL
NC-0-0.3	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)
NC-0-0.3	m,p-Xylene	J	result between SDL and SQL
NC-0-0.3	Methylene chloride	J	result between SDL and SQL
NC-0-0.3	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)
NC-0-0.3	o-Xylene	J	result between SDL and SQL
NC-0-0.3	Toluene	J	result between SDL and SQL
NC-0-0.3	Xylene (total)	J	result between SDL and SQL
NC-0-0.3	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
NC-0-0.3	2-Methylnaphthalene	J	poor field duplicate precision (74 RPD)
NC-0-0.3	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
NC-0-0.3	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
NC-0-0.3	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
NC-0-0.3	Acenaphthene	J	result between SDL and SQL
NC-0-0.3	Acenaphthylene	J	large difference between field duplicate pair (> 3 x MQL); result between SDL and SQL
NC-0-0.3	Acetophenone	J	result between SDL and SQL
NC-0-0.3	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
NC-0-0.3	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
NC-0-0.3	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D=-24)
NC-0-0.3	Benzo(b)fluoranthene	J	result between SDL and SQL
NC-0-0.3	Benzo(g,h,i)perylene	J .	result between SDL and SQL
NC-0-0.3	Benzo(k)fluoranthene	J	result between SDL and SQL
NC-0-0.3	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)
NC-0-0.3	Biphenyl	J	result between SDL and SQL
NC-0-0.3	Chrysene	J	result between SDL and SQL
NC-0-0.3	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
NC-0-0.3	Pyrene	J	calibration drift (%D= 27); result between SDL and SQL
NC-0-0.3	Pyridine	UJ	Low ave MS/MSD recovery (59%)
SC-E	1,2,4-Trimethylbenzene	J	result between SDL and SQL
SC-E	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
SC-E	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
SC-E	Cyclohexane	J	result between SDL and SQL
SC-E	Ethylbenzene	J	result between SDL and SQL
SC-E	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)
SC-E	m,p-Xylene	J	result between SDL and SQL
SC-E	Naphthalene	J	result between SDL and SQL
SC-E	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV
SC-E	o-Xylene	J	result between SDL and SQL
SC-E	Xylene (total)	J	result between SDL and SQL
SC-E	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
SC-E	2-Methylnaphthalene	J	poor field duplicate precision (74 RPD); result between SDL and SQL
SC-E	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)
SC-E	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
SC-E	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
SC-E	Acenaphthylene	UJ	large difference between field duplicate pair (> 3 x MQL)
SC-E	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
SC-E	Anthracene	J	result between SDL and SQL
SC-E	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
SC-E	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D= -24)
SC-E	Benzo(a)anthracene	J	result between SDL and SQL
SC-E	Benzo(a)pyrene	J	result between SDL and SQL
SC-E	Benzo(b)fluoranthene	J	result between SDL and SQL
SC-E	Benzo(g,h,i)perylene	J	result between SDL and SQL
SC-E	Benzo(k)fluoranthene	J	result between SDL and SQL
			<del></del>

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
SC-E	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)
SC-E	Chrysene	J	result between SDL and SQL
SC-E	Fluoranthene	J	result between SDL and SQL
SC-E	Fluorene	J	result between SDL and SQL
SC-E	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
SC-E	Phenanthrene	J	result between SDL and SQL
SC-E	Pyrene	J	calibration drift (%D= 27); result between SDL and SQL
SC-E	Pyridine	UJ	Low ave MS/MSD recovery (59%)
SC-W	1,2,4-Trimethylbenzene	J	result between SDL and SQL
SC-W	1,3,5-Trimethylbenzene	J	result between SDL and SQL
SC-W	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
SC-W	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
SC-W	Benzene	J	result between SDL and SQL
SC-W	Cyclohexane	J	result between SDL and SQL
SC-W	Ethylbenzene	J	result between SDL and SQL
SC-W	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)
SC-W	m,p-Xylene	J	result between SDL and SQL
SC-W	Naphthalene	J	result between SDL and SQL
SC-W	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)
SC-W	o-Xylene	J	result between SDL and SQL
SC-W	Xylene (total)	J	result between SDL and SQL
SC-W	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
SC-W	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)
SC-W	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
SC-W	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
SC-W	Acenaphthylene	J	large difference between field duplicate pair (> 3 x MQL); result between SDL and SQL
SC-W	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
SC-W	Anthracene	J	result between SDL and SQL
SC-W	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
SC-W	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D=-24)
SC-W	Benzo(b)fluoranthene	J	result between SDL and SQL
SC-W	Benzo(g,h,i)perylene	J	result between SDL and SQL
SC-W	Benzo(k)fluoranthene	J	result between SDL and SQL
SC-W	Benzoic acid	UJ	calibration drift (%D=-21); Low ave MS/MSD recovery (51.5%)
SC-W	Chrysene	J	result between SDL and SQL
SC-W	Diethyl phthalate	J	result between SDL and SQL
SC-W	Fluoranthene	J	result between SDL and SQL
SC-W	Indeno(1,2,3-cd)pyrene	J .	result between SDL and SQL
SC-W	Pyrene	J	calibration drift (%D= 27); result between SDL and SQL
SC-W	Pyridine	UJ	Low ave MS/MSD recovery (59%)
T-15-F	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
T-15-F '	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
T-15-F	cis-1,2-Dichloroethene	J	result between SDL and SQL
T-15-F	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)
T-15-F	Trichloroethene	J	result between SDL and SQL

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
T-15-F	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
T-15-F	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)
T-15-F	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
T-15-F	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
T-15-F	Acenaphthylene	UJ	large difference between field duplicate pair (> 3 x MQL)
T-15-F	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
T-15-F	Benzaldehyde	. R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
T-15-F	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D= -24)
T-15-F	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)
T-15-F	Fluoranthene	J	result between SDL and SQL
T-15-F	Pyridine	UJ	Low ave MS/MSD recovery (59%)
T-21-F	1,2,4-Trimethylbenzene	J	result between SDL and SQL
T-21-F	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
T-21-F	Acrolein	, UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
T-21-F	cis-1,2-Dichloroethene	J	result between SDL and SQL
T-21-F	Cyclohexane	J	result between SDL and SQL
T-21-F	Hexachlorobutadiene	J	result between SDL and SQL
T-21-F	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD); result between SDL and SQL
T-21-F	Naphthalene	J	result between SDL and SQL
T-21-F	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)
T-21-F	Trichloroethene	J	result between SDL and SQL
T-21-F	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
T-21-F	2-Methylnaphthalene	J	poor field duplicate precision (74 RPD)
T-21-F	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)
T-21-F	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
T-21-F	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
T-21-F	Acenaphthylene	J	large difference between field duplicate pair (> 3 x MQL); result between SDL and SQL
T-21-F	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
T-21-F	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
T-21-F	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D= -24)
T-21-F	Benzo(b)fluoranthene	J	result between SDL and SQL
T-21-F	Benzo(g,h,i)perylene	J	result between SDL and SQL
T-21-F	Benzo(k)fluoranthene	J	result between SDL and SQL
T-21-F	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)
T-21-F	Biphenyl	J	result between SDL and SQL
T-21-F	Chrysene	J	result between SDL and SQL
T-21-F	Fluoranthene	J	result between SDL and SQL
T-21-F	Indeno(1,2,3-cd)pyrene	J	result between SDL and SQL
T-21-F	Pyrene	J+	calibration drift (%D= 27)
T-21-F	Pyridine	UJ	Low ave MS/MSD recovery (59%)
T-2-WEST	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 13x (RV); Low ave MS/MSD recovery (13.5%)
T-2-WEST	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)

Field Sample Identification	Analyte	Data Qualifier								
T-2-WEST	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 1.4x (RV)							
T-2-WEST	Vinyl acetate	UJ	calibration drift (%D= -27)							
T-2-WEST	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)							
T-2-WEST	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)							
T-2-WEST	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)							
T-2-WEST	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)							
T-2-WEST	Acenaphthylene	UJ	large difference between field duplicate pair (> 3 x MQL)							
T-2-WEST	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)							
T-2-WEST	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)							
T-2-WEST	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D=-24)							
T-2-WEST	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)							
T-2-WEST	Biphenyl	J	result between SDL and SQL							
T-2-WEST	Di-n-butyl phthalate	J .	result between SDL and SQL							
T-2-WEST	Fluorene	J	result between SDL and SQL							
T-2-WEST	Phenanthrene	J	result between SDL and SQL							
T-2-WEST	Pyridine	UJ	Low ave MS/MSD recovery (59%)							
T-6-EAST	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)							
T-6-EAST	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)							
T-6-EAST	Benzene	J	result between SDL and SQL							
T-6-EAST	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)							
T-6-EAST	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)							
T-6-EAST	Styrene	J	result between SDL and SQL							
T-6-EAST	Toluene	J	result between SDL and SQL							
T-6-EAST	2,4-Dinitrophenol	·ŪJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)							
T-6-EAST	2-Methylnaphthalene	J	poor field duplicate precision (74 RPD)							
T-6-EAST	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)							
T-6-EAST	3-Nitroaniline	ÚJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)							
T-6-EAST	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)							
T-6-EAST	Acenaphthylene	J	large difference between field duplicate pair (> 3 x MQL)							
T-6-EAST	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)							
T-6-EAST	Anthracene	J	result between SDL and SQL							
T-6-EAST	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)							
T-6-EAST	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D=-24)							
T-6-EAST	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)							
T-6-EAST	Biphenyl	. J	result between SDL and SQL							
T-6-EAST	Fluoranthene	J	result between SDL and SQL							
T-6-EAST	m,p-Cresol	J	result between SDL and SQL							
T-6-EAST	o-Cresol	J	result between SDL and SQL							
T-6-EAST	Pyrene	J	calibration drift (%D= 27); result between SDL and SQL							
T-6-EAST	Pyridine	UJ	Low ave MS/MSD recovery (59%)							
T-6-FLOOR	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)							
T-6-FLOOR	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)							

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Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
T-6-SOUTH	2-Chloroethylvinyl ether	UJ	low instrument response (low RRF), elevate SDL for NDs 210x (RV)
T-6-SOUTH	Acrolein	UJ ,	low instrument response (low RRF), elevate SDL for NDs 50x (RV); Low ave MS/MSD recovery (13.5%)
T-6-SOUTH	Benzene	J	result between SDL and SQL
T-6-SOUTH	Chloroform	J	result between SDL and SQL
T-6-SOUTH	Isopropylbenzene (Cumene)	J	poor field duplicate precision (57 RPD)
T-6-SOUTH	Naphthalene	J	result between SDL and SQL
T-6-SOUTH	n-Butyl alcohol	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (RV)
T-6-SOUTH	Styrene	J	result between SDL and SQL
T-6-SOUTH	Toluene	J	result between SDL and SQL
T-6-SOUTH	Xylene (total)	J	result between SDL and SQL
T-6-SOUTH	2,4-Dinitrophenol	UJ	poor calibration fit (%RSD=31); Low ave MS/MSD recovery (58.5%)
T-6-SOUTH	2-Methylnaphthalene	J	poor field duplicate precision (74 RPD)
T-6-SOUTH	3,3'-Dichlorobenzidine	UJ	Low ave LCS/LCSD recovery (40.5%)
T-6-SOUTH	3-Nitroaniline	UJ	Low ave LCS/LCSD recovery (38.5%); Low ave MS/MSD recovery (55.5%)
T-6-SOUTH	4-Chloroaniline	UJ	Low ave LCS/LCSD recovery (26.5%); Low ave MS/MSD recovery (45%)
T-6-SOUTH	Acenaphthene	J	result between SDL and SQL
T-6-SOUTH	Acenaphthylene	J	large difference between field duplicate pair (> 3 x MQL); result between SDL and SQL
T-6-SOUTH	Aniline	UJ	Low ave LCS/LCSD recovery (45.5%)
T-6-SOUTH	Benzaldehyde	R	Extremely low ave LCS/LCSD recovery (8.5%); Low ave MS/MSD recovery (9%); calibration drift (%D= -27)
T-6-SOUTH	Benzidine	UJ	poor calibration fit (%RSD=39); calibration drift (%D=-24)
T-6-SOUTH	Benzoic acid	UJ	calibration drift (%D= -21); Low ave MS/MSD recovery (51.5%)
T-6-SOUTH	Biphenyl	J	result between SDL and SQL
T-6-SOUTH	Di-n-butyl phthalate	J	result between SDL and SQL
T-6-SOUTH	Fluoranthene	J	result between SDL and SQL
T-6-SOUTH	m,p-Cresol	J	result between SDL and SQL
T-6-SOUTH	o-Cresol	J	result between SDL and SQL
T-6-SOUTH	Pyridine	UJ	Low ave MS/MSD recovery (59%)



Sample_ID	Lab_Sample_ID	Test_type _code	Analytical _Method	Total_or_ dissolved	Matrix	Parameter	Valid_qualifier	Result_type _code	Prep_date	Prep_time	Analysis _Date	Analysis _Time	QC_comment	QC_ Batch
x	a8914	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	TRG			1/14/2011		low instrument response (low RRF), elevate SDL for NDs 3x (TR)	
х	a8933	ICALI	SW8260B			Acrolein	J / UJ to RRs/NDs	TRG			11/14/2011		low instrument response (low RRF), elevate SDL for NDs 50x (TR)	
х	a8933	ICALI	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	TRG			11/14/2011	11:09	low instrument response (low RRF), elevate SDL for NDs 210x (TR)	
х	k9746	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	TRG			1/7/2011	11:14	low instrument response (low RRF), elevate SDL for NDs 1.4x (TR)	
х	k9758	ICAL1	SW8260B -			Acrolein	J / UJ to RRs/NDs	TRG			1/7/2011	18:08	low instrument response (low RRF), elevate SDL for NDs 13x (TR)	
х	a8960	CCVI	SW8260B			Acrolein	J+ to RRs (none)	VOC			1/16/2011	9:23	calibration drift (%D= 24)	
х	a8960	CCVI	SW8260B			2-Hexanone	J+ to RRs (none)	VOC			1/16/2011		calibration drift (%D= 21)	
x	k9905	CCV1	SW8260B			Vinyl acetate	J- / UJ to RRs/NDs	voc			1/18/2011		calibration drift (%D= -27)	·
T-15-F MSD	21101140503		SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			1/16/2011		Low ave MS/MSD recovery (13.5%)	449013
T-15-F MSD	21101140503		SW8260B		S	Acrolein	J to RRs (none)	TRG			1/16/2011		poor MS/MSD precision (80 RPD)	449013
T-15-F MSD	21101140503		SW8260B		S	Chloroethane	J to RRs (none)	TRG			1/16/2011		poor MS/MSD precision (42 RPD)	449013
BLIND DUP	21101140511		SW8260B		S	lsopropylbenzene (Cumene)	J to RRs	TRG			1/16/2011		poor field duplicate precision (57 RPD)	449013
x	e7897	ICAL1	SW8270C			2,4-Dinitrophenol	J / UJ to RRs/NDs	TRG			1/12/2011		poor calibration fit (%RSD=31)	
x	e7897	ICAL1	SW8270C			Benzidine	J / UJ to RRs/NDs	TRG			1/12/2011		poor calibration fit (%RSD=39)	
x	e7972	CCV1	SW8270C			Benzoic acid	J- / UJ to RRs/NDs	SVOC			1/14/2011		calibration drift (%D= -21)	
x	e7972	CCV1	SW8270C			Hexachlorocyclopentadiene	. ,	SVOC			1/14/2011		calibration drift (%D= 24)	
x	e7972	CCVI	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			1/14/2011		calibration drift (%D= -24)	
x	e8008	CCV1	SW8270C			Hexachlorocyclopentadiene		SVOC			1/17/2011		calibration drift (%D= 25)	
x	e8008	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			1/17/2011	8:28	calibration drift (%D= -44)	



Sample_ID	Lab_Sample_ID	Test_type _code	Analytical _Method	Total_or_ dissolved	Matrix	Parameter	Valid_qualifier	Result_type _code	Prep_date	Prep_time	Analysis _Date	Analysis _Time	QC_comment	QC_ Batch
x	e8008	CCV1	SW8270C			Pyrene	J+ to RRs	SVOC			1/17/2011	8:28	calibration drift (%D= 27)	
x	e8008	CCVI	SW8270C			Benzaldehyde	J- / UJ to RRs/NDs	SVOC			1/17/2011	8:28	calibration drift (%D= -27)	
LCSD for HBN 448916 [EXTO/2751	912492	LCSD	SW8270C		S	3,3'-Dichlorobenzidine	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	16:39	Low ave LCS/LCSD recovery (40.5%)	448983
LCSD for HBN 448916 [EXTO/2751	912492	LĊSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	16:39	Low ave LCS/LCSD recovery (38.5%)	448983
LCSD for HBN 448916 [EXTO/2751	912492	LCSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	16:39	Low ave LCS/LCSD recovery (26.5%)	448983
LCSD for HBN 448916 [EXTO/2751	912492	LCSD	SW8270C		S	Aniline	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	16:39	Low ave LCS/LCSD recovery (45.5%)	448983
LCSD for HBN 448916 [EXTO/2751	912492	LCSD	SW8270C		S	Benzaldehyde	J-/R to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	16:39	Extremely low ave LCS/LCSD recovery (8.5%)	448983
T-15-F MSD	21101140503	MSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	17:29	Low ave MS/MSD recovery (58.5%)	448983
T-15-F MSD	21101140503	MSD	SW8270C		s '	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	17:29	Low ave MS/MSD recovery (55.5%)	448983
T-15-F MSD	21101140503	MSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	17:29	Low ave MS/MSD recovery (45%)	448983
T-15-F MSD	21101140503	MSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	17:29	Low ave MS/MSD recovery (9%)	448983
T-15-F MSD	21101140503	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	17:29	Low ave MS/MSD recovery (51.5%)	448983
T-15-F MSD	21101140503	MSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011	17:29	Low ave MS/MSD recovery (59%)	448983
LCSD for HBN 448916 [EXTO/2751	912492	LCSD	SW8270C		S	Aniline	J to RRs (none)	TRG	1/14/2011	10:30	1/14/2011	16:39	poor LCS/LCSD precision (62 RPD)	448983
T-21-F	21101140504	SMP	SW8270C		s	2-Fluorobiphenyl	none (surrogate diluted out)	SUR .	1/14/2011	10:30	1/17/2011	8:56	extremely low SU recovery (0%)	449083
T-21-F	21101140504	SMP	SW8270C		S .	2-Fluorophenol	none (surrogate diluted out)	SUR	1/14/2011	10;30	1/17/2011	8:56	extremely low SU recovery (0%)	449083
T-21-F	21101140504	SMP	SW8270C		S	Terphenyl-d14	none (surrogate diluted out)	SUR	1/14/2011	10:30	1/17/2011	8:56	extremely low SU recovery (0%)	449083
T-21-F	21101140504	SMP	SW8270C		s	Nitrobenzene-d5	none (surrogate diluted out)	SUR	1/14/2011	10:30	1/17/2011	8:56	extremely low SU recovery (0%)	449083
T-21-F	21101140504	SMP	SW8270C		S	2,4,6-Tribromophenol	none (surrogate diluted out)	SUR .	1/14/2011	10:30	1/17/2011	8:56	extremely low SU recovery (0%)	449083



Sample_ID	Lab_Sample_ID	Test_type _code	Analytical _Method	Total_or_ dissolved	Matrix	Parameter	Valid_qualifier	Result_type _code	Prep_date	Prep_time	Analysis _Date	Analysis _Time		QC_ Batch
T-21-F	21101140504	SMP	SW8270C		S	Phenol-d5	none (surrogate diluted out)	SUR	1/14/2011	10:30	1/17/2011	8:56	extremely low SU recovery (0%)	449083
SC-E	21101140513	SMP	SW8270C		s	2,4,6-Tribromophenol	none (only one of multiple surrogates deficient)	SUR	1/14/2011	10:30	1/14/2011	20:16	low SU recovery (59%)	448983
EQUIPMENT BLANK	21101140514	EQBK	SW8270C		w	Phenol-d5	none (only one of multiple surrogates deficient)	SUR	1/14/2011	11:35	1/14/2011	15:49	low SU recovery (41%)	448983
BLIND DUP	21101140511	FLDDUP	SW8270C		S	2-Methylnaphthalene	J to RRs	TRG '	1/14/2011	10:30	1/14/2011	19:43	poor field duplicate precision (74 RPD)	448983
BLIND DUP	21101140511	FLDDUP	SW8270C		S	Acenaphthylene	J / UJ to RRs/NDs	TRG	1/14/2011	10:30	1/14/2011		large difference between field duplicate pair (> 3 x MQL)	448983